SECTION 11 13 13

LOADING DOCK EQUIPMENT

Display hidden notes to specifier. (Don't know how? [Click Here](https://www.arcat.com/sd/display_hidden_notes.shtml))

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\*\* NOTE TO SPECIFIER \*\* Pentalift Equipment Corp.; loading dock equipment, dock levelers, vehicle restraints, dock seals, dock shelters, dock lifts.  
.  
This section is based on the products of Pentalift Equipment Corp., which is located at:  
21 Nicholas Beaver Rd.  
Puslinch, ON, Canada N0B 2J0  
Tel: 519-763-3625  
Fax: 519-763-2894  
Email: [request info (dock@pentalift.com)](https://arcat.com/rfi?action=email&company=Pentalift%252BEquipment%252BCorp.&message=RE%253A%2520Spec%2520Question%2520(11160pec)%253A%2520&coid=34752&spec=11160pec&rep=&fax=519-763-2894)  
Web: <http://www.pentalift.com>   
 [ [Click Here](https://arcat.com/company/pentalift-equipment-corp-34752) ] for additional information.  
Pentalift Equipment Corporation was established in 1983. During the last 5 + years Pentalift has grown to become one of North America's largest manufacturers of loading dock equipment, lift tables and positioning equipment. The simple business philosophy of manufacturing a quality product with a high level of Customer Service continues to be our approach in the marketplace.  
Pentalift's continuing success in designing, engineering and manufacturing Lift Tables has gained Pentalift a "world-class" reputation within the Materials Handling Industry. In its relatively short history, Pentalift's workforce has grown to over 50 employees; our modern, fully equipped manufacturing facilities represent a total of more than 120,000 square feet.

1. GENERAL
   1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for project.

* + 1. Loading dock equipment of the following types:
       1. Hydraulic dock levelers.
       2. Air powered dock levelers.
       3. Mechanical dock levelers.
       4. Vehicle restraints.
       5. Dock seals.
       6. Dock shelters.
       7. Dock lifts.
       8. Control panels.
  1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 03 30 00 - Cast-in-Place Concrete.
    2. Section 26 05 00 - Common Work Results for Electrical.
  1. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. American National Standards Institute (ANSI):
       1. ANSI MH29.1 - Safety Requirements for Industrial Scissor Lifts.
       2. ANSI MH30.1 - Performance and Testing Requirements for Dock Leveling Devices
       3. ANSI MH30.3 - Performance and Testing of Vehicle Restraining Devices
  1. SUBMITTALS
     1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
     2. Product Data: Manufacturer's data sheets on each product to be used, including:
        1. Preparation instructions and recommendations.
        2. Storage and handling requirements and recommendations.
        3. Installation methods.
     3. Shop Drawings: Showing overall dimensions (width, height) and location of electrical service panels and motor locations. Supporting construction requirements and equipment structural attachment. Operating range and required clearances.
     4. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
  2. QUALITY ASSURANCE
     1. Manufacturer Qualifications: Providing sole source for design, engineering, manufacturing and warranty claims handling. Company specializing in manufacturing products specified with a minimum 20 years experience.
     2. Installer Qualifications: Company specializing in performing the Work of this Section with minimum 5 years' experience. Follow all instructions and warnings in the appropriate owner's manual.
  3. DELIVERY, STORAGE, AND HANDLING
     1. Store products in manufacturer's unopened packaging until ready for installation.
  4. PROJECT CONDITIONS
     1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
  5. WARRANTY
     1. Warranty: Provide manufacturer's standard warranty.

1. PRODUCTS
   1. MANUFACTURERS
      1. Acceptable Manufacturer: Pentalift Equipment Corp., which is located at:  
         21 Nicholas Beaver Rd.  
         Puslinch, ON, Canada N0B 2J0  
         Tel: 519-763-3625  
         Fax: 519-763-2894  
         Email: [request info (dock@pentalift.com)](https://arcat.com/rfi?action=email&company=Pentalift%252BEquipment%252BCorp.&message=RE%253A%2520Spec%2520Question%2520(11160pec)%253A%2520&coid=34752&spec=11160pec&rep=&fax=519-763-2894);Web: <http://www.pentalift.com>

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
    2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
  1. HYDRAULIC DOCK LEVELERS

\*\* NOTE TO SPECIFIER \*\* Pentalift Hydraulic Dock Levelers are designed to provide superior product value through prolonged, trouble-free performance. Convenient push button activation and proven hydraulic technology increase the efficiency and safety of the loading/unloading process. Refer to Understanding Loading Dock Capacity Nav Bar (pentalift.com/dock-leveler-capacity/htm) on the Pentalift website.

* + 1. Hydraulic Dock Levelers:
       1. Product: HD Series as manufactured by Pentalift Equipment Corp.
       2. Dock leveler(s) shall be fully hydraulic with a wall-mounted, push button control station. The power unit shall be a 1-1/2 Hp, self-contained, TENV unit installed on the dock leveler frame.

\*\* NOTE TO SPECIFIER \*\* Insert power available for dock equipment.

* + - 1. The power supply shall be \_\_\_\_/\_\_\_/\_\_\_.
      2. Hydraulic functions will be controlled by the Pentalogic hydraulic manifold.
      3. The lip shall be self-retracting. The lip hinge will be a full width, piano style with a full width hinge pin. The lip hinge will be welded to a high tensile headboard. The rear hinge design will be a full width, fixed style.

\*\* NOTE TO SPECIFIER \*\* Delete lip lengths not required.

* + - 1. 16 inches (406 mm) lip length.
      2. 18 inches (457 mm) lip length.
      3. 20 inches (508 mm) lip length.
      4. The deck design will accommodate canted trucks/trailers up to 4 inches (102 mm).
      5. Working Range: Dependent on application and dock leveler length. Designed to maximize the above and below level service range while maintaining a safe incline and decline angle of the deck plate.
      6. Dock leveler(s) shall be equipped with full range toe guards, night lock, hydraulic fallsafe and a maintenance stand.
      7. The lift cylinder shall be top-fed and forward-positioned behind the headboard.
      8. Two molded rubber bumpers shall be provided.
      9. Dock leveler(s) will have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required. Refer to Understanding Loading Dock Capacity Nav Bar (pentalift.com/dock-leveler-capacity/htm) on Pentalift website. All dock leveler platform dimensions stated are nominal dimensions.

* + - 1. Model HD66: 6.0 feet by 6.0 feet (1829 mm by 1829 mm).
      2. Model HD68: 6.0 feet by 8.0 feet (1829 mm by 2438 mm).
      3. Model HD610: 6.0 feet by 10.0 feet (1829 mm by 3048 mm).
      4. Model HD6.56: 6.5 feet by 6.0 feet (1981 mm by 1829 mm).
      5. Model HD6.58: 6.5 feet by 8.0 feet (1981 mm by 2438 mm).
      6. Model HD76: 7.0 feet by 6.0 feet (2134 mm by 1829 mm).
      7. Model HD78: 7.0 feet by 8.0 feet (2134 mm by 2438 mm).
      8. Model HD710: 7.0 feet by 10.0 feet (2134 mm by 3048 mm).

\*\* NOTE TO SPECIFIER \*\* Heavier capacity available as special. Delete capacities not required.

* + - 1. Capacity: 35000 lb (15876 kg).
      2. Capacity: 45000 lb (20412 kg).
      3. Capacity: 60000 lb (27216 kg).

\*\* NOTE TO SPECIFIER \*\* Dock leveler to be equipped with the following available options. Delete options not required.

* + - 1. Provide pour-in-place installation style.
      2. Provide automatic return-to-stored position.
      3. Provide deck stop with independent lip control.
      4. Provide weatherseal (rubber or brush).
      5. Provide hydraulic dock leveler(s) interlocked to the Pentalift model HFR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      6. Provide hydraulic dock leveler(s) interlocked to the Pentalift model LPR35 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      7. Provide hydraulic dock leveler(s) interlocked to the Pentalift model UHR40 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      8. Provide hydraulic dock leveler(s) interlocked to the Pentalift model RVR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      9. Provide interlock to overhead door.
      10. Provide interlock to inflatable shelter.
      11. Provide master control panel.
      12. Provide easy sweep frame design.
      13. Provide lip hinge grease fittings.
      14. Provide foam insulated deck.
    1. Hydraulic Dock Levelers:
       1. Product: HU Series Ultima as manufactured by Pentalift Equipment Corp.
       2. Deck assembly shall be supported by structural "I" beams. Dock leveler(s) shall be fully hydraulic with a wall mounted, push button control station.
       3. The power unit shall be a 1-1/2 Hp, self-contained, TENV unit installed on the dock leveler frame.

\*\* NOTE TO SPECIFIER \*\* Insert power available for dock equipment.

* + - 1. The power supply shall be \_\_\_\_/\_\_\_/\_\_\_.
      2. Hydraulic functions shall be controlled by the Pentalogic hydraulic manifold.
      3. The lip shall be self-retracting. The lip hinge will be a full width, piano style with a full width hinge pin. The lip hinge will be welded to a high tensile headboard. The rear hinge design will be a full width, fixed style.

\*\* NOTE TO SPECIFIER \*\* Delete lip lengths not required.

* + - 1. 16 inches (406 mm) lip length.
      2. 18 inches (457 mm) lip length.
      3. 20 inches (508 mm) lip length.
      4. The deck design shall accommodate canted trucks/trailers up to 4 inches (102 mm).
      5. Working Range: Dependent on application and dock leveler length. Designed to maximize the above and below level service range while maintaining a safe incline and decline angle of the deck plate.
      6. Dock leveler(s) will be equipped with lip hinge grease fittings, full range toe guards, night lock, hydraulic fallsafe and a maintenance stand.
      7. The lift cylinder shall be top-fed and forward-positioned behind the headboard.
      8. Two molded rubber bumpers shall be provided.
      9. Dock leveler(s) shall have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required. Refer to Understanding Loading Dock Capacity Nav Bar (pentalift.com/dock-leveler-capacity/htm) on Pentalift website. All Dock Leveler platform dimensions stated are nominal dimensions.

* + - 1. Model HU66: 6.0 feet by 6.0 feet (1829 mm by 1829 mm).
      2. Model HU68: 6.0 feet by 8.0 feet (1829 mm by 2438 mm).
      3. Model HU6.56: 6.5 feet by 6.0 feet (1981 mm by 1829 mm).
      4. Model HU6.58: 6.5 feet by 8.0 feet (1981 mm by 2438 mm).
      5. Model HU76: 7.0 feet by 6.0 feet (2134 mm by 1829 mm).
      6. Model HU78: 7.0 feet by 8.0 feet (2134 mm by 2438 mm).

\*\* NOTE TO SPECIFIER \*\* Delete capacities not required.

* + - 1. Capacity: 45000 lb (20412 kg).

\*\* NOTE TO SPECIFIER \*\* Dock leveler to be equipped with the following available options. Delete options not required.

* + - 1. Provide pour-in-place installation style.
      2. Provide automatic return-to-stored position.
      3. Provide deck stop with independent lip control.
      4. Provide weatherseal (rubber or brush).
      5. Provide hydraulic dock leveler(s) interlocked to the Pentalift model HFR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      6. Provide hydraulic dock leveler(s) interlocked to the Pentalift model LPR35 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      7. Provide hydraulic dock leveler(s) interlocked to the Pentalift model UHR40 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      8. Provide hydraulic dock leveler(s) interlocked to the Pentalift model RVR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      9. Provide interlock to overhead door.
      10. Provide interlock to inflatable shelter.
      11. Provide master control panel.
      12. Provide easy sweep frame design.
      13. Provide foam insulated deck.
    1. Hydraulic Dock Levelers:
       1. Product: HC Series as manufactured by Pentalift Equipment Corp.
       2. Dock leveler(s) shall be fully hydraulic with a wall-mounted, push button control station. The power unit shall be a 1-1/2 Hp, self-contained, TENV unit installed on the dock leveler frame.

\*\* NOTE TO SPECIFIER \*\* Insert power available for dock equipment.

* + - 1. The power supply shall be \_\_\_\_/\_\_\_/\_\_\_.
      2. Hydraulic functions will be controlled by the Pentalogic hydraulic manifold.
      3. The lip shall be self-retracting. The lip hinge shall be a full width, piano style with a full width hinge pin. The lip hinge shall be welded to a high tensile headboard. The rear hinge design shall be a full width, fixed style.

\*\* NOTE TO SPECIFIER \*\* Delete lip lengths not required.

* + - 1. 16 inches (406 mm) lip length.
      2. 18 inches (457 mm) lip length.
      3. 20 inches (508 mm) lip length.
      4. The deck design will accommodate canted trucks/trailers up to 4 inches (102 mm).
      5. Working Range: Dependent on application and dock leveler length. Designed to maximize the above and below level service range while maintaining a safe incline and decline angle of the deck plate.
      6. Dock leveler(s) shall be equipped with full range toe guards, night lock, hydraulic fallsafe and a maintenance stand.
      7. The lift cylinder shall be top-fed and forward-positioned behind the headboard.
      8. Two molded rubber bumpers shall be provided.
      9. Dock leveler(s) shall have Pentalift gray finish.
      10. Capacity: 30,000 lb (13608 kg).

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required. Refer to Understanding Loading Dock Capacity Nav Bar (pentalift.com/dock-leveler-capacity/htm) on Pentalift website. All Dock Leveler platform dimensions stated are nominal dimensions.

* + - 1. Model HC6630: 6.0 feet by 6.0 feet (1829 mm by 1829 mm).
      2. Model HC6830: 6.0 feet by 8.0 feet (1829 mm by 2438 mm).
      3. Model HC61030: 6.0 feet by 10.0 feet (1829 mm by 3048 mm).
      4. Model HC6.5630: 6.5 feet by 6.0 feet (1981 mm by 1829 mm).
      5. Model HC6.5830: 6.5 feet by 8.0 feet (1981 mm by 2438 mm).
      6. Model HC6.51030: 6.5 feet by 10.0 feet (1981 mm by 3048 mm).
      7. Model HC7630: 7.0 feet by 6.0 feet (2134 mm by 1829 mm).
      8. Model HC7830: 7.0 feet by 8.0 feet (2134 mm by 2438 mm).
      9. Model HC71030: 7.0 feet by 10.0 feet (2134 mm by 3048 mm).

\*\* NOTE TO SPECIFIER \*\* Dock leveler to be equipped with the following available options. Delete options not required.

* + - 1. Provide pour-in-place installation style.
      2. Provide automatic return-to-stored position.
      3. Provide deck stop with independent lip control.
      4. Provide weatherseal (rubber or brush).
      5. Provide hydraulic dock leveler(s) interlocked to the Pentalift model HFR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      6. Provide hydraulic dock leveler(s) interlocked to the Pentalift model LPR35 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      7. Provide hydraulic dock leveler(s) interlocked to the Pentalift model UHR40 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      8. Provide hydraulic dock leveler(s) interlocked to the Pentalift model RVR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      9. Provide interlock to overhead door.
      10. Provide interlock to inflatable shelter.
      11. Provide master control panel.
      12. Provide easy sweep frame design.
      13. Provide lip hinge grease fittings.
      14. Provide foam insulated deck.

\*\* NOTE TO SPECIFIER \*\* The HD series high capacity hydraulic dock levelers provides superior performance in high frequency loading/unloading, heavy load and abusive environment applications.

* + 1. High Capacity Hydraulic Dock Levelers:
       1. Product: HD High Capacity Series as manufactured by Pentalift Equipment Corp.
       2. Dock leveler(s) shall be fully hydraulic with a wall-mounted, push button control station. The power unit shall be self-contained, TENV unit installed on the dock leveler frame.

\*\* NOTE TO SPECIFIER \*\* Insert power available for dock equipment.

* + - 1. The power supply shall be \_\_\_\_/3/\_\_\_. (three phase power only)
      2. Hydraulic functions will be controlled by the Pentalogic hydraulic manifold.
      3. The lip hinge will be a full width, piano style with a full width hinge pin. The lip hinge will be welded to a high tensile headboard. The rear hinge design will be a full width, fixed style.
      4. The deck design will accommodate canted trucks/trailers up to 4 inches (102 mm).
      5. Working Range: Dependent on application and dock leveler length. Designed to maximize the above and below level service range while maintaining a safe incline and decline angle of the deck plate.
      6. Dock leveler(s) shall be equipped with full range toe guards, night lock, hydraulic fallsafe and a maintenance stand.
      7. The lift cylinder shall be top-fed and forward-positioned behind the headboard.
      8. Two molded rubber bumpers shall be provided.
      9. Dock leveler(s) will have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required. Refer to Understanding Loading Dock Capacity Nav Bar (pentalift.com/dock-leveler-capacity/htm) on Pentalift website. All Dock Leveler platform dimensions stated are nominal dimensions.

* + - 1. Model HD66: 6.0 feet by 6.0 feet (1829 mm by 1829 mm).
      2. Model HD68: 6.0 feet by 8.0 feet (1829 mm by 2438 mm).
      3. Model HD610: 6.0 feet by 10.0 feet (1829 mm by 3048 mm).
      4. Model HD6.56: 6.5 feet by 6.0 feet (1981 mm by 1829 mm).
      5. Model HD6.58: 6.5 feet by 8.0 feet (1981 mm by 2438 mm).
      6. Model HD6.510: 6.5 feet by 10.0 feet (1981 mm by 3048 mm).
      7. Model HD76: 7.0 feet by 6.0 feet (2134 mm by 1829 mm).
      8. Model HD78: 7.0 feet by 8.0 feet (2134 mm by 2438 mm).
      9. Model HD710: 7.0 feet by 10.0 feet (2134 mm by 3048 mm).

\*\* NOTE TO SPECIFIER \*\* Heavier capacity available as special. Delete capacities not required. Delete lip length not required.

* + - 1. Capacity: 80000 lb (36288 kg).

\*\* NOTE TO SPECIFIER \*\* Delete lip lengths not required.

* + - * 1. 16 inches (406 mm) lip length (nominal) 17.5 inches (445 mm) (actual) lip length.
        2. 18 inches (457 mm) lip length (nominal)19.5 inches (495 mm) (actual) lip length.
        3. 20 inches (508 mm) lip length (nominal) 21.5 inches (546 mm) (actual) lip length.
        4. Power Unit: 1-1/2 Hp.
      1. Capacity: 100000 lb (45360 kg).

\*\* NOTE TO SPECIFIER \*\* Delete lip length not required.

* + - * 1. 16 inches (406 mm) lip length (nominal) 19 inches (483 mm) (actual) lip length.
        2. 18 inches (457 mm) lip length (nominal) 21 inches (533 mm) (actual) lip length.
        3. 20 inches (508 mm) lip length (nominal) 23 inches (584 mm) (actual) lip length.
        4. Power Unit: 3 Hp.

\*\* NOTE TO SPECIFIER \*\* Dock leveler to be equipped with the following available options. Delete options not required.

* + - 1. Provide pour-in-place installation style.
      2. Provide automatic return-to-stored position.
      3. Provide deck stop with independent lip control.
      4. Provide weatherseal (rubber or brush).
      5. Provide hydraulic dock leveler(s) interlocked to the Pentalift model HFR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      6. Provide hydraulic dock leveler(s) interlocked to the Pentalift model LPR35 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      7. Provide hydraulic dock leveler(s) interlocked to the Pentalift model UHR40 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      8. Provide hydraulic dock leveler(s) interlocked to the Pentalift model RVR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      9. Provide interlock to overhead door.
      10. Provide interlock to inflatable shelter.
      11. Provide master control panel.
      12. Provide lip hinge grease fittings.
      13. Provide foam insulated deck.
    1. Hydraulic Roll-Off Stop Lip Dock Leveler:

\*\* NOTE TO SPECIFIER \*\* The series HDRS roll-off stop lip dock leveler is designed and built to provide all the benefits of the series HD dock leveler with the additional benefit of providing a formidable barrier. The series HDRS roll-off stop lip feature provides maximized safety for vacant door situations when no truck/trailer is in position. All Pentalift dock levelers are factory tested before shipping.

* + - 1. Product: HDRS Series Hydraulic Roll-Off Stop Lip Dock Leveler as manufactured by Pentalift Equipment Corp.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required. Refer to Understanding Loading Dock Capacity Nav Bar (pentalift.com/dock-leveler-capacity/htm) on Pentalift website. All Dock Leveler platform dimensions stated are nominal dimensions.

* + - 1. Model HDRS66: 6.0 feet by 6.0 feet (1829 mm by 1829 mm).
      2. Model HDRS68: 6.0 feet by 8.0 feet (1829 mm by 2438 mm).
      3. Model HDRS610: 6.0 feet by 10.0 feet (1829 mm by 3048 mm).
      4. Model HDRS6.56: 6.5 feet by 6.0 feet (1981 mm by 1829 mm).
      5. Model HDRS6.58: 6.5 feet by 8.0 feet (1981 mm by 2438 mm).
      6. Model HDRS6.510: 6.5 feet by 10.0 feet (1981 mm by 3048 mm).
      7. Model HDRS76: 7.0 feet by 6.0 feet (2134 mm by 1829 mm).
      8. Model HDRS78: 7.0 feet by 8.0 feet (2134 mm by 2438 mm).
      9. Model HDRS710: 7.0 feet by 10.0 feet (2134 mm by 3048 mm).

\*\* NOTE TO SPECIFIER \*\* Heavier capacity available as special. Delete capacities not required.

* + - 1. Capacity: 25000 lb (11340 kg).
      2. Capacity: 30000 lb (13608 kg).
      3. Capacity: 35000 lb (15876 kg).
      4. Capacity: 40000 lb (18144 kg).
      5. Capacity: 45000 lb (20412 kg).
      6. Capacity: 50000 lb (22680 kg).
      7. Capacity: 60000 lb (27216 kg).
      8. Dock leveler(s) shall be fully hydraulic with a 8 inches (203 mm) high roll-off stop lip design and wall-mounted, push button control station. The power unit shall be a 1-1/2 Hp, self-contained, TENV unit installed on the dock leveler frame.

\*\* NOTE TO SPECIFIER \*\* Insert power available for dock equipment.

* + - 1. The power supply shall be \_\_\_\_/\_\_\_/\_\_\_.
      2. Hydraulic functions will be controlled by the Pentalogic hydraulic manifold.
      3. The lip shall be self-retracting. The lip hinge will be a full width, piano style with a full width hinge pin. The lip hinge will be welded to a high tensile headboard. The rear hinge design will be a full width, fixed style.

\*\* NOTE TO SPECIFIER \*\* Delete lip lengths not required.

* + - 1. 16 inches (406 mm) lip length.
      2. 18 inches (457 mm) lip length.
      3. 20 inches (508 mm) lip length.
      4. The deck design will accommodate canted trucks/trailers up to 4 inches (102 mm).
      5. Working Range: Dependent on application and dock leveler length. Designed to maximize the above and below level service range while maintaining a safe incline and decline angle of the deck plate.
      6. Dock leveler(s) shall be equipped with full range toe guards, night lock, hydraulic fallsafe and a maintenance stand.
      7. The lift cylinder shall be top-fed and forward-positioned behind the headboard.
      8. Two molded rubber bumpers shall be provided.
      9. Dock leveler(s) will have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Dock leveler to be equipped with the following available options. Delete options not required.

* + - 1. Provide pour-in-place installation style.
      2. Provide automatic return-to-stored position.
      3. Provide deck stop with independent lip control.
      4. Provide weatherseal (rubber or brush).
      5. Provide hydraulic dock leveler(s) interlocked to the Pentalift model HFR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      6. Provide hydraulic dock leveler(s) interlocked to the Pentalift model LPR35 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      7. Provide hydraulic dock leveler(s) interlocked to the Pentalift model UHR40 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      8. Provide hydraulic dock leveler(s) interlocked to the Pentalift model RVR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      9. Provide interlock to overhead door.
      10. Provide interlock to inflatable shelter.
      11. Provide master control panel.
      12. Provide easy sweep frame design.
      13. Provide lip hinge grease fittings.
      14. Provide foam insulated deck.
    1. Hydraulic Roll-Off Stop Lip Dock Leveler:

\*\* NOTE TO SPECIFIER \*\* The series HURS roll-off stop lip dock leveler is designed and built to provide all the benefits of the series HU dock leveler, including trouble free performance in heavy duty, high use applications, structural "I" beams supports for the deck with the additional benefit of providing a formidable barrier. The series HURS roll-off stop lip feature provides maximized safety for vacant door situations when no truck/trailer is in position. All Pentalift dock levelers are factory tested before shipping.

* + - 1. Product: HURS Series Hydraulic Roll-Off Stop Lip Dock Leveler as manufactured by Pentalift Equipment Corp.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required. Refer to Understanding Loading Dock Capacity Nav Bar (pentalift.com/dock-leveler-capacity/htm) on Pentalift website. All Dock Leveler platform dimensions stated are nominal dimensions.

* + - 1. Model HURS66: 6.0 feet by 6.0 feet (1829 mm by 1829 mm).
      2. Model HURS68: 6.0 feet by 8.0 feet (1829 mm by 2438 mm).
      3. Model HURS6.56: 6.5 feet by 6.0 feet (1981 mm by 1829 mm).
      4. Model HURS6.58: 6.5 feet by 8.0 feet (1981 mm by 2438 mm).
      5. Model HURS76: 7.0 feet by 6.0 feet (2134 mm by 1829 mm).
      6. Model HURS78: 7.0 feet by 8.0 feet (2134 mm by 2438 mm).
      7. Model HURS710: 7.0 feet by 10.0 feet (2134 mm by 3048 mm).

\*\* NOTE TO SPECIFIER \*\* Delete capacities not required.

* + - 1. Capacity: 45000 lb (20412 kg).
      2. Deck assembly shall be supported by structural "I" beams. Dock leveler(s) will be fully hydraulic with an 8 inches (203 mm) high roll-off stop lip design and a wall mounted push button control station.
      3. The power unit shall be a 1-1/2 Hp, self-contained, TENV unit installed on the dock leveler frame.
      4. Hydraulic functions shall be controlled by the Pentalogic hydraulic manifold.
      5. The lip shall be self-retracting. The lip hinge will be a full width, piano style with a full width hinge pin. The lip hinge will be welded to a high tensile headboard. The rear hinge design will be a full width, fixed style.

\*\* NOTE TO SPECIFIER \*\* Delete lip lengths not required.

* + - 1. 16 inches (406 mm) lip length.
      2. 18 inches (457 mm) lip length.
      3. 20 inches (508 mm) lip length.
      4. The deck design shall accommodate canted trucks/trailers up to 4 inches (102 mm).
      5. Working Range: Dependent on application and dock leveler length. Designed to maximize the above and below level service range while maintaining a safe incline and decline angle of the deck plate.
      6. Dock leveler(s) will be equipped with lip hinge grease fittings, full range toe guards, night lock, hydraulic fallsafe and a maintenance stand.
      7. The lift cylinder shall be top-fed and forward-positioned behind the headboard.
      8. Two molded rubber bumpers shall be provided.
      9. Dock leveler(s) shall have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Dock leveler to be equipped with the following available options. Delete options not required.

* + - 1. Provide pour-in-place installation style.
      2. Provide automatic return-to-stored position.
      3. Provide deck stop with independent lip control.
      4. Provide weatherseal (rubber or brush).
      5. Provide hydraulic dock leveler(s) interlocked to the Pentalift model HFR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      6. Provide hydraulic dock leveler(s) interlocked to the Pentalift model LPR35 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      7. Provide hydraulic dock leveler(s) interlocked to the Pentalift model UHR40 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      8. Provide hydraulic dock leveler(s) interlocked to the Pentalift model RVR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      9. Provide interlock to overhead door.
      10. Provide interlock to inflatable shelter.
      11. Provide master control panel.
      12. Provide easy sweep frame design.
      13. Provide foam insulated deck.
    1. Vertical Storing Hydraulic Dock Leveler:

\*\* NOTE TO SPECIFIER \*\* The Pentalift HDV series vertical storing hydraulic dock leveler is designed and built for use in facilities where cleanliness and temperature conditions are maintained and controlled at a high level.

* + - 1. Product: HDV Series Vertical Storing Dock Leveler as manufactured by Pentalift Equipment Corp.
      2. Deck stores vertically by leaning slightly backward without the need for a mechanical storage system.
      3. Dock Leveler(s) shall be fully hydraulic with a wall mounted, push button control station. The power unit shall be a 1-1/2 Hp, remote, TENV unit installed on the wall with mounting brackets.

\*\* NOTE TO SPECIFIER \*\* Insert power available for dock equipment.

* + - 1. The power supply shall be \_\_\_/\_\_\_/\_\_\_.
      2. Hydraulic functions shall be controlled by the Pentalogic Hydraulic Manifold.
      3. The lip hinge shall be a full width, piano style with a full width hinge pin. The lip hinge shall be welded to a high tensile headboard. The rear hinge design shall be a full width, fixed style.

\*\* NOTE TO SPECIFIER \*\* Delete lip lengths not required.

* + - 1. 16 inches (406 mm) lip length.
      2. 18 inches (457 mm) lip length.
      3. 20 inches (508 mm) lip length.
      4. The deck design shall accommodate canted trucks/ trailers up to 4 inches (102 mm).
      5. Working Range: Dependent on application and dock leveler length. Designed to maximize the above and below level service range while maintaining a safe incline and decline angle of the deck plate.
      6. Dock Leveler(s) shall be equipped with double acting lift cylinder, 4 inches (102 mm) high run-off guards, high pressure dual braid cylinder supply hose and a swing in place maintenance stand.
      7. Cast in place rear mounting channel to suit 10 inch (254 mm) deep pit (5 feet (1524 mm) long and 6 feet (1829 mm) long) or 14 inches (356 mm) deep pit (8 feet (2438 mm) long).
      8. Two molded rubber bumpers with mounting plates shall be provided.
      9. Dock Leveler(s) shall have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required. Refer to Understanding Loading Dock Capacity Nav Bar (pentalift.com/dock-leveler-capacity/htm) on Pentalift website. All Dock Leveler platform dimensions stated are nominal dimensions.

* + - 1. Model HDV66: 6.0 feet by 6.0 feet (1829 mm by 1829 mm).
      2. Model HDV68: 6.0 feet by 8.0 feet (1829 mm by 2438 mm).
      3. Model HDV6.56: 6.5 feet by 6.0 feet (1981 mm by 1829 mm).
      4. Model HDV6.58: 6.5 feet by 8.0 feet (1981 mm by 2438 mm).
      5. Model HDV76: 7.0 feet by 6.0 feet (2134 mm by 1829 mm).
      6. Model HDV78: 7.0 feet by 8.0 feet (2134 mm by 2438 mm).

\*\* NOTE TO SPECIFIER \*\* Delete capacities not required.

* + - 1. Capacity: 35000 lb (15876 kg).
      2. Capacity: 45000 lb (20412 kg).
      3. Capacity: 60000 lb (27272 kg).

\*\* NOTE TO SPECIFIER \*\* Dock leveler to be equipped with the following available options. Delete options not required.

* + - 1. Provide hydraulic dock leveler(s) interlocked to the Pentalift model HFR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      2. Provide hydraulic dock leveler(s) interlocked to the Pentalift model LPR35 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      3. Provide hydraulic dock leveler(s) interlocked to the Pentalift model UHR40 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      4. Provide hydraulic dock leveler(s) interlocked to the Pentalift model RVR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      5. Provide interlock to overhead door.
      6. Provide master control panel.
      7. Provide foam insulated deck.
      8. Provide lip hinge grease fittings.
      9. Provide rear mounting flat bar.
      10. Provide draft pad.
      11. Provide bumper risers.
    1. Vertical Storing Hydraulic Dock Leveler:

\*\* NOTE TO SPECIFIER \*\* The Pentalift HUV Ultima series vertical storing hydraulic dock leveler is designed and built for use in facilities where cleanliness and temperature conditions control are a maintained at a high level. Structural "I" beams support the deck.

* + - 1. Product: HUV Vertical Storing Dock Leveler as manufactured by Pentalift Equipment Corp.
      2. Deck stores vertically by leaning slightly backward without the need for a mechanical storage system.
      3. Dock leveler(s) shall be fully hydraulic with a wall mounted, push button control station.
      4. The power unit shall be a 1-1/2 Hp, self-contained, TENV unit installed on the wall with mounting brackets.

\*\* NOTE TO SPECIFIER \*\* Insert power available for dock equipment.

* + - 1. The power supply will to be \_\_\_/\_\_\_/\_\_\_.
      2. Hydraulic functions shall be controlled by the Pentalogic hydraulic manifold.
      3. The lip hinge will be a full width, piano style with a full width hinge pin and lip hinge grease fittings. The lip hinge will be welded to a high tensile headboard. The rear hinge design will be a full width, fixed style.

\*\* NOTE TO SPECIFIER \*\* Delete lip lengths not required.

* + - 1. 16 inches (406 mm) lip length.
      2. 18 inches (457 mm) lip length.
      3. 20 inches (508 mm) lip length.
      4. The deck support will be by 6 inches (152 mm) structural "I" beams. The deck design shall accommodate canted trucks/trailers up to 4 inches (102 mm).
      5. Working Range: Dependent on application and dock leveler length. Designed to maximize the above and below level service range while maintaining a safe incline and decline angle of the deck plate.
      6. Dock leveler(s) will be equipped with lip hinge grease fittings, full range toe guards, night lock, hydraulic fallsafe and a maintenance stand.
      7. Dock Leveler(s) will be equipped with double acting lift cylinder, 4 inches (102 mm) high run-off guards, high pressure dual braid cylinder supply hose and a swing in place maintenance stand.
      8. Cast in place rear mounting channel to suit 10 inch (254 mm) deep pit (5 feet (1524 mm) long and 6 feet (1829 mm) long) or 14 inches (356 mm) deep pit (8 feet (2438 mm) long).
      9. Two molded rubber bumpers shall be provided.
      10. Dock leveler(s) shall have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required. Refer to Understanding Loading Dock Capacity Nav Bar (pentalift.com/dock-leveler-capacity/htm) on Pentalift website. All Dock Leveler platform dimensions stated are nominal dimensions.

* + - 1. Model HUV65: 6.0 feet by 5.0 feet (1829 mm by 1524 mm).
      2. Model HUV66: 6.0 feet by 6.0 feet (1829 mm by 1829 mm).
      3. Model HUV68: 6.0 feet by 8.0 feet (1829 mm by 2438 mm).
      4. Model HUV6.55: 6.5 feet by 5.0 feet (1981 mm by 1524 mm).
      5. Model HUV6.56: 6.5 feet by 6.0 feet (1981 mm by 1829 mm).
      6. Model HUV6.58: 6.5 feet by 8.0 feet (1981 mm by 2438 mm).
      7. Model HUV75: 7.0 feet by 5.0 feet (2134 mm by 1524 mm).
      8. Model HUV76: 7.0 feet by 6.0 feet (2134 mm by 1829 mm).
      9. Model HUV78: 7.0 feet by 8.0 feet (2134 mm by 2438 mm).

\*\* NOTE TO SPECIFIER \*\* Delete capacities not required.

* + - 1. Capacity: 45000 lb (20412 kg).

\*\* NOTE TO SPECIFIER \*\* Dock leveler to be equipped with the following available options. Delete options not required.

* + - 1. Provide hydraulic dock leveler(s) interlocked to the Pentalift model HFR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      2. Provide hydraulic dock leveler(s) interlocked to the Pentalift model LPR35 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      3. Provide hydraulic dock leveler(s) interlocked to the Pentalift model UHR40 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      4. Provide hydraulic dock leveler(s) interlocked to the Pentalift model RVR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      5. Provide interlock to overhead door.
      6. Provide master control panel.
      7. Provide foam insulated deck.
      8. Provide rear mounting flat bar.
      9. Provide draft pad.
      10. Provide bumper risers.
    1. Hydraulic Edge of Dock Leveler:

\*\* NOTE TO SPECIFIER \*\* The Pentalift EDH series hydraulic edge of dock is fully hydraulic. The operator simply pushes a button to utilize the edge of dock . The hydraulic system is self-contained and reliable. It ensures the operation is smooth and controlled. For ease of service, all components are easily accessible from the dock face. The Pentalift EDH series hydraulic edge of dock is a safe and superior alternative to a dock plate.

* + - 1. Product: EDH Hydraulic Edge of Dock Leveler as manufactured by Pentalift Equipment Corporation.
      2. Leveler(s) shall be mounted to the face of the dock. Leveler(s) shall be fully hydraulic with a wall mounted, push button control station. The power unit will be a self-contained, TENV unit installed on the Edge of dock(s) rear plate.

\*\* NOTE TO SPECIFIER \*\* Insert power available for dock equipment.

* + - 1. The power supply is to be \_\_\_\_/\_\_\_/\_\_\_.
      2. The nominal lip length shall be 15 inches (381 mm). The lip hinge shall be full width piano style with a full width hinge pin. The lip plate shall be made from high tensile steel construction and be designed to project 11-1/2 inches (292 mm) beyond the face of the dock bumpers. After the truck / trailer depart leveler(s) shall automatically return to the stored position. Leveler(s) shall be equipped with one hydraulic cylinder to manage both the raising of the deck and the extending of the lip.
      3. Two molded rubber bumpers and two steel bumper blocks shall be provided to achieve an overall projection of 16 inches (406 mm).
      4. Leveler(s) shall have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required. Refer to Understanding Loading Dock Capacity Nav Bar (pentalift.com/dock-leveler-capacity/htm) on Pentalift website. All Dock Leveler platform dimensions stated are nominal dimensions.

* + - 1. Model EDH66: 66 inches width (96 inches overall width) by 27.5 inches span (1676 mm (2438 mm) by 699 mm).
      2. Model EDH72: 72 inches width (102 inches overall width) by 27.5 inches span (1829 mm (2591 mm) by 699 mm).

\*\* NOTE TO SPECIFIER \*\* Delete capacities not required.

* + - 1. Capacity: 20000 lb (9072 kg).
      2. Capacity: 25000 lb (11340 kg).
      3. Capacity: 30000 lb (13608 kg).

\*\* NOTE TO SPECIFIER \*\* Dock leveler to be equipped with the following available options. Delete options not required.

* + - 1. Provide top lag plate.
      2. Provide pit style installation.
      3. Provide hydraulic dock leveler(s) interlocked to the Pentalift model HFR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      4. Provide hydraulic dock leveler(s) interlocked to the Pentalift model LPR35 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      5. Provide hydraulic dock leveler(s) interlocked to the Pentalift model RVR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      6. Provide interlock to overhead door.
      7. Provide interlock to inflatable shelter.
      8. Provide master control panel.
    1. Mechanical Edge of Dock Leveler:

\*\* NOTE TO SPECIFIER \*\* The Pentalift mechanical edge of dock leveler is easily lifted with its activating lever.

* + - 1. Product: EDML Mechanical Edge of Dock Leveler as manufactured by Pentalift Equipment Corporation.
      2. Leveler(s) shall be mounted to the face of the dock. Leveler(s) shall be operated by the easy lifting activating lever with torsion spring assistance.
      3. The nominal lip length shall be 15 inches (381 mm). The lip hinge shall be full width piano style with a full width hinge pin. The lip plate shall be made from high tensile steel construction and be designed to project 11-1/2 inches (292 mm) beyond the face of the dock bumpers. After the truck / trailer departs, leveler(s) shall automatically return to the stored position. Leveler(s) shall be equipped with a lip extension latch to ensure the lip is extended fully.
      4. When not in use, the activating lever shall store safely at the side of the deck.
      5. Two molded rubber bumpers and two steel bumper blocks shall be provided to achieve an overall projection of 16 inches (406 mm).
      6. Leveler(s) shall have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required. Refer to Understanding Loading Dock Capacity Nav Bar (pentalift.com/dock-leveler-capacity/htm) on Pentalift website. All Dock Leveler platform dimensions stated are nominal dimensions.

* + - 1. Model EDML66: 66 inches width (96 inches overall width) by 27.5 inches span (1676 mm (2438 mm) by 699 mm).
      2. Model EDML72: 72 inches width (102 inches overall width) by 27.5 inches span (1829 mm (2591 mm) by 699 mm).
      3. Model EDML78: 78 inches width (108 inches overall width) by 27.5 inches span (1981 mm (2743 mm) by 699 mm).
      4. Model EDML84: 84 inches width (114 inches overall width) by 27.5 inches span (2134 mm (2896 mm) by 699 mm).

\*\* NOTE TO SPECIFIER \*\* Delete capacities not required.

* + - 1. Capacity: 20000 lb (9072 kg).
      2. Capacity: 25000 lb (11340 kg).
      3. Capacity: 30000 lb (13608 kg).

\*\* NOTE TO SPECIFIER \*\* Dock leveler to be equipped with the following available options. Delete options not required.

* + - 1. Provide pour-in place installation style.
      2. Provide pit style installation.
      3. Provide top lag plate.
  1. AIR POWERED DOCK LEVELERS

\*\* NOTE TO SPECIFIER \*\* Pentalift AD Series air powered dock levelers are designed to provide superior product value through prolonged, trouble free performance. Convenient push button activation increases the efficiency and safety of the loading/unloading process. Pentalift AD series dock levelers provide superior performance in high frequency loading/unloading, heavy load and abusive environment applications.

* + 1. Air Powered Dock Leveler:
       1. Product: AD Series as manufactured by Pentalift Equipment Corp.
       2. Dock leveler(s) shall be pneumatic with a wall-mounted, push button control station. The power unit shall be a self-contained, TENV unit installed on the air bag tray assembly.
       3. The power supply shall be 115/1/60.
       4. The lip hinge will be a full width, piano style with a full width hinge pin. The lip hinge will be welded to a high tensile headboard. The rear hinge design will be a full width, fixed style.

\*\* NOTE TO SPECIFIER \*\* Delete lip lengths not required.

* + - 1. 16 inches (406 mm) lip length.
      2. 18 inches (457 mm) lip length.
      3. 20 inches (508 mm) lip length.
      4. The deck design will accommodate canted trucks/trailers up to 4 inches (102 mm).
      5. Working Range: Dependent on application and dock leveler length. Designed to maximize the above and below level service range while maintaining a safe incline and decline angle of the deck plate.
      6. Dock leveler(s) shall be equipped with full range toe guards, night lock, and a maintenance stand.
      7. Two molded rubber bumpers shall be provided.
      8. Dock leveler(s) will have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required. Refer to Understanding Loading Dock Capacity Nav Bar (pentalift.com/dock-leveler-capacity/htm) on Pentalift website. All dock leveler platform dimensions stated are nominal dimensions.

* + - 1. Model AD66: 6.0 feet by 6.0 feet (1829 mm by 1829 mm).
      2. Model AD68: 6.0 feet by 8.0 feet (1829 mm by 2438 mm).
      3. Model AD6.56: 6.5 feet by 6.0 feet (1981 mm by 1829 mm).
      4. Model AD6.58: 6.5 feet by 8.0 feet (1981 mm by 2438 mm).
      5. Model AD76: 7.0 feet by 6.0 feet (2134 mm by 1829 mm).
      6. Model AD78: 7.0 feet by 8.0 feet (2134 mm by 2438 mm).

\*\* NOTE TO SPECIFIER \*\* Delete capacities not required.

* + - 1. Capacity: 25000 lb (11340 kg).
      2. Capacity: 30000 lb (13608 kg).
      3. Capacity: 35000 lb (15876 kg).
      4. Capacity: 40000 lb (18144 kg).
      5. Capacity: 45000 lb (20412 kg).
      6. Capacity: 50000 lb (22680 kg).

\*\* NOTE TO SPECIFIER \*\* Dock leveler to be equipped with the following available options. Delete options not required.

* + - 1. Provide pour-in-place installation style.
      2. Provide weatherseal (rubber or brush).
      3. Provide pneumatic dock leveler(s) interlocked to the Pentalift model HFR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      4. Provide pneumatic dock leveler(s) interlocked to the Pentalift model LPR35 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      5. Provide pneumatic dock leveler(s) interlocked to the Pentalift model UHR40 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      6. Provide pneumatic dock leveler(s) interlocked to the Pentalift model RVR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      7. Provide interlock to overhead door.
      8. Provide interlock to inflatable shelter.
      9. Provide master control panel.
      10. Provide easy sweep frame design.
      11. Provide lip hinge grease fittings.
      12. Provide foam insulated deck.
  1. MECHANICAL DOCK LEVELERS

\*\* NOTE TO SPECIFIER \*\* The Pentalift series MD mechanical dock leveler is operated by a simple pull chain release at the rear of the deck.

* + 1. Mechanical Dock Levelers:
       1. Product: MD Series Mechanical Dock Levelers as manufactured by Pentalift Equipment Corp.
       2. Dock leveler(s) shall be semi-automatic with no manual lifting required. The Easy-Float Hold-Down Assembly requires a minimal release force of only 8 lb (3.6 kg) and shall maintain lip contact with the truck/trailer bed by allowing the deck to float with the suspension of the truck/trailer.
       3. A high strength, braided nylon strap shall be used to connect the deck and frame assemblies and to absorb shock loads. All adjustments shall be conveniently located at the front of the dock leveler(s). The Posilock lip mechanism will ensure safe walk down of the deck and allow lip to retract if impacted during truck/trailer positioning.
       4. The lip hinge shall to be full width, piano style with a full width hinge pin. The lip hinge shall be welded to a high tensile headboard. The rear hinge shall be a full width, fixed style.

\*\* NOTE TO SPECIFIER \*\* Delete lip lengths not required.

* + - 1. 16 inches (406 mm) lip length.
      2. 18 inches (457 mm) lip length.
      3. 20 inches (508 mm) lip length.
      4. The deck design shall provide 4 inches (102 mm) of lateral deck compensation for canted truck/trailer beds. Dock leveler(s) shall be equipped with operating range toe guards, night lock and a maintenance stand.
      5. Working Range: Dependent on application and dock leveler length. Designed to maximize the above and below level service range while maintaining a safe incline and decline angle of the deck plate.
      6. Two molded rubber bumpers shall be provided.
      7. Dock leveler(s) shall have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required. Refer to Understanding Loading Dock Capacity Nav Bar (pentalift.com/dock-leveler-capacity/htm) on Pentalift website. All Dock Leveler platform dimensions stated are nominal dimensions.

* + - 1. Model MD66: 6.0 feet by 6.0 feet (1829 mm by 1829 mm).
      2. Model MD68: 6.0 feet by 8.0 feet (1829 mm by 2438 mm).
      3. Model MD610: 6.0 feet by 10.0 feet (1829 mm by 3048 mm).
      4. Model MD6.56: 6.5 feet by 6.0 feet (1981 mm by 1829 mm).
      5. Model MD6.58: 6.5 feet by 8.0 feet (1981 mm by 2438 mm).
      6. Model MD76: 7.0 feet by 6.0 feet (2134 mm by 1829 mm).
      7. Model MD78: 7.0 feet by 8.0 feet (2134 mm by 2438 mm).
      8. Model MD710: 7.0 feet by 10.0 feet (2134 mm by 3048 mm).

\*\* NOTE TO SPECIFIER \*\* Delete capacities not required.

* + - 1. Capacity: 35000 lb (15876 kg).
      2. Capacity: 45000 lb (20412 kg).

\*\* NOTE TO SPECIFIER \*\* Dock leveler to be equipped with the following available options. Delete options not required.

* + - 1. Provide pour-in-place installation style.
      2. Provide mechanical fallsafe with below level control.
      3. Provide weatherseal (rubber or brush).
      4. Provide easy sweep frame design.
      5. Provide full range toe guards.
      6. Provide lip hinge grease fittings.
      7. Provide foam insulated deck.

\*\* NOTE TO SPECIFIER \*\* The Pentalift series MU mechanical dock leveler is operated by a simple pull chain release at the rear of the deck.

* + 1. Mechanical Dock Levelers:
       1. Product: MU Series Ultima Mechanical Dock Levelers as manufactured by Pentalift Equipment Corp.
       2. Dock leveler(s) shall be semi-automatic with no manual lifting required. Deck assembly shall be supported by structural "I" beams. The Easy-Float Hold-Down Assembly requires a minimal release force of only 8 lb (3.6 kg) and shall maintain lip contact with the truck/trailer bed by allowing the deck to float with the suspension of the truck/trailer.
       3. A high strength, braided nylon strap shall be used to connect the deck and frame assemblies and to absorb shock loads. All adjustments shall be conveniently located at the front of the dock leveler(s). The Posilock lip mechanism will ensure safe walk down of the deck and allow lip to retract if impacted during truck/trailer positioning.
       4. The lip hinge shall to be full width, piano style with a full width hinge pin. The lip hinge shall be welded to a high tensile headboard. The rear hinge shall be a full width, fixed style.

\*\* NOTE TO SPECIFIER \*\* Delete lip lengths not required.

* + - 1. 16 inches (406 mm) lip length.
      2. 18 inches (457 mm) lip length.
      3. 20 inches (508 mm) lip length.
      4. The deck design shall provide 4 inches (102 mm) of lateral deck compensation for canted truck/trailer beds. Dock leveler(s) to be equipped with lip hinge grease fittings, operating range toe guards, night lock and a maintenance stand.
      5. Working Range: Dependent on application and dock leveler length. Designed to maximize the above and below level service range while maintaining a safe incline and decline angle of the deck plate.
      6. Two molded rubber bumpers shall be provided.
      7. Dock leveler(s) shall have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required. Refer to Understanding Loading Dock Capacity Nav Bar (pentalift.com/dock-leveler-capacity/htm) on Pentalift website. All Dock Leveler platform dimensions stated are nominal dimensions.

* + - 1. Model MU66: 6.0 feet by 6.0 feet (1829 mm by 1829 mm).
      2. Model MU68: 6.0 feet by 8.0 feet (1829 mm by 2438 mm).
      3. Model MU6.56: 6.5 feet by 6.0 feet (1981 mm by 1829 mm).
      4. Model MU6.58: 6.5 feet by 8.0 feet (1981 mm by 2438 mm).
      5. Model MU76: 7.0 feet by 6.0 feet (2134 mm by 1829 mm).
      6. Model MU78: 7.0 feet by 8.0 feet (2134 mm by 2438 mm).

\*\* NOTE TO SPECIFIER \*\* Models available in rated capacities (multiply by 1000 lb.) of 30, 35, 45. Delete capacities not required.

* + - 1. Capacity: 45000 lb (20412 kg).

\*\* NOTE TO SPECIFIER \*\* Dock leveler to be equipped with the following available options. Delete options not required.

* + - 1. Provide pour-in-place installation style.
      2. Provide mechanical fallsafe with below level control.
      3. Provide weatherseal (rubber or brush).
      4. Provide easy sweep frame design.
      5. Provide full range toe guards.
      6. Provide foam insulated deck.

\*\* NOTE TO SPECIFIER \*\* The Pentalift series MC mechanical dock leveler is operated by a simple pull chain release at the rear of the deck. All Pentalift dock levelers are factory tested before shipping.

* + 1. Mechanical Dock Levelers:
       1. Product: MC Series Mechanical Dock Levelers as manufactured by Pentalift Equipment Corp.
       2. Dock leveler(s) shall be semi-automatic with no manual lifting required. The Easy-Float Hold-Down Assembly requires a minimal release force of only 8 lb (3.6 kg) and shall maintain lip contact with the truck/trailer bed by allowing the deck to float with the suspension of the truck/trailer.
       3. A high strength, braided nylon strap shall be used to connect the deck and frame assemblies and to absorb shock loads. All adjustments shall be conveniently located at the front of the dock leveler(s). The Posilock lip mechanism will ensure safe walk down of the deck and allow lip to retract if impacted during truck/trailer positioning.
       4. The lip hinge shall to be full width, piano style with a full width hinge pin. The lip hinge shall be welded to a high tensile headboard. The rear hinge shall be a full width, fixed style.

\*\* NOTE TO SPECIFIER \*\* Delete lip lengths not required.

* + - 1. 16 inches (406 mm) lip length.
      2. 18 inches (457 mm) lip length.
      3. 20 inches (508 mm) lip length
      4. The deck design shall provide 4 inches (102 mm) of lateral deck compensation for canted truck/trailer beds. Dock leveler(s) shall be equipped with operating range toe guards, night lock and a maintenance stand.
      5. Working Range: Dependent on application and dock leveler length. Designed to maximize the above and below level service range while maintaining a safe incline and decline angle of the deck plate.
      6. Two molded rubber bumpers shall be provided.
      7. Dock leveler(s) shall have Pentalift gray finish.
      8. Capacity: 30,000 lb (13068 kg)

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required. Refer to Understanding Loading Dock Capacity Nav Bar (pentalift.com/dock-leveler-capacity/htm) on Pentalift website. All Dock Leveler platform dimensions stated are nominal dimensions.

* + - 1. Model MC6630: 6.0 feet by 6.0 feet (1829 mm by 1829 mm).
      2. Model MC6830: 6.0 feet by 8.0 feet (1829 mm by 2438 mm).
      3. Model MC61030: 6.0 feet by 10.0 feet (1829 mm by 3048 mm).
      4. Model MC6.5630: 6.5 feet by 6.0 feet (1981 mm by 1829 mm).
      5. Model MC6.5830: 6.5 feet by 8.0 feet (1981 mm by 2438 mm).
      6. Model MC6.51030: 6.5 feet by 10.0 feet (1981 mm by 3048 mm).
      7. Model MC7630: 7.0 feet by 6.0 feet (2134 mm by 1829 mm).
      8. Model MC7830: 7.0 feet by 8.0 feet (2134 mm by 2438 mm).
      9. Model MC71030: 7.0 feet by 10.0 feet (2134 mm by 3048 mm).

\*\* NOTE TO SPECIFIER \*\* Insert power available for dock equipment. Delete lip length not required. Dock leveler to be equipped with the following available options. Delete options not required.

* + - 1. Provide pour-in-place installation style.
      2. Provide mechanical fallsafe with below level control.
      3. Provide weatherseal (rubber or brush).
      4. Provide easy sweep frame design.
      5. Provide full range toe guards.
      6. Provide lip hinge grease fittings.
      7. Provide foam insulated deck.
  1. DOCK SEALS AND SHELTERS
     1. Fixed Head Dock Seal:

\*\* NOTE TO SPECIFIER \*\* The PS-100 Fixed Header dock seal is a compressible, foam-filled, 3 sided dock seal. It is best suited for a door opening that is 8 feet wide by 8 feet high to 8 feet wide by 9 feet high (2438 mm by 2438 mm to 2438 mm by 2743 mm) which services trucks/trailers of approximately the same size. Once the PS-100 dock seal is compressed, a gasket seal is formed between the rear of the truck/trailer and the building.

* + - 1. Product: PS-100 Fixed Head Dock Seal as manufactured by Pentalift Equipment Corporation.

\*\* NOTE TO SPECIFIER \*\* Insert opening and unit dimensions.

* + - 1. Door opening \_\_\_\_\_ inches wide by \_\_\_\_\_ inches high.
      2. Side pads shall be \_\_\_\_\_inches long, face \_\_\_\_\_ inches, back \_\_\_\_\_ inches, with top projection \_\_\_\_ inches and bottom projection \_\_\_\_ inches.
      3. Head pad shall be \_\_\_\_\_inches wide, face \_\_\_\_\_ inches, back \_\_\_\_\_ inches, with projection \_\_\_\_ inches.
      4. Side pads and head pad seals shall be constructed of enviro-green polyurethane foam bonded to a backboard. Covers to have bottom breathers.
      5. Cover fabric shall be \_\_\_\_\_ with 4 inches (102 mm) wide, full-length, yellow guide stripes.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Foam shall be fire retardant.

\*\* NOTE TO SPECIFIER \*\* Delete backboard material not required.

* + - 1. Backboard: 2 inches (51 mm) thick, kiln-dried wood.
      2. Backboard: 2 inches (51 mm) thick, pressure treated wood.
      3. Backboard: Galvanized steel backing and framing.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide build-out boxes as indicated or required.

\*\* NOTE TO SPECIFIER \*\* Delete side pad shape not required.

* + - 1. Side pads shall be a beveled shape.
      2. Side pads shall be a tapered shape.

\*\* NOTE TO SPECIFIER \*\* Delete wear pleats if not required.

* + - 1. Side pads shall have wear pleats (fabric shall be \_\_\_\_\_).

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide metal hood as designed and manufactured by Pentalift Equipment Corporation.
      2. Unit to be supplied complete with galvanized mounting hardware.
      3. Unit to be supplied with RS800 RainStop Head Seal.
    1. Adjustable Curtain Dock Seal:

\*\* NOTE TO SPECIFIER \*\* The PS-200A Adjustable Curtain dock seal is an effective solution for dock doors which service trucks/trailers of varying heights. Consider a shelter (rigid or inflatable) or L-Shape dock seal for 9 feet (2743 mm) wide door openings. Delete if not required.

* + - 1. Product: PS-200A Adjustable Curtain Dock Seal as manufactured by Pentalift Equipment Corporation.

\*\* NOTE TO SPECIFIER \*\* Insert opening and unit dimensions.

* + - 1. Door opening \_\_\_\_\_ inches wide by \_\_\_\_\_ inches high.
      2. Side pads shall be \_\_\_\_\_inches long, face \_\_\_\_\_ inches, back \_\_\_\_\_ inches, with top projection \_\_\_\_ inches and bottom projection \_\_\_\_ inches.
      3. Construction of enviro-green polyurethane foam bonded to a backboard. Side pads to have bottom breathers.

\*\* NOTE TO SPECIFIER \*\* Insert fabric.

* + - 1. Cover fabric shall be \_\_\_\_\_ with 4 inches (102 mm) wide, full-length, yellow guide stripes.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Foam shall be fire retardant.

\*\* NOTE TO SPECIFIER \*\* Delete backboard material not required.

* + - 1. Backboard: 2 inches (51 mm) thick, kiln-dried wood.
      2. Backboard: 2 inches (51 mm) thick, pressure treated wood.
      3. Backboard: Galvanized steel backing and framing.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide build-out boxes as indicated or required.

\*\* NOTE TO SPECIFIER \*\* Delete side pad shape not required.

* + - 1. Side pads shall be a beveled shape.
      2. Side pads shall be a tapered shape.

\*\* NOTE TO SPECIFIER \*\* Delete wear pleats if not required.

* + - 1. Side pads shall have wear pleats (fabric shall be \_\_\_\_\_)..

\*\* NOTE TO SPECIFIER \*\* Insert curtain dimensions.

* + - 1. Adjustable head curtain shall be full width over side pads, secured to the wall and side pads. Head curtain adjustment to be accomplished with rope control. Adjustable head curtain shall be \_\_\_\_\_ inches wide, with \_\_\_\_\_ inches drop.

\*\* NOTE TO SPECIFIER \*\* Delete curtain model not required.

* + - 1. Curtain Model: PS-200 F - Fixed.
      2. Curtain Model: PS-200 FF - Foam fixed.
      3. Curtain Model: PS-200PS - Pentaswing.
      4. Curtain Model: PS-200FPS - Fixed Pentaswing.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide metal hood as designed and manufactured by .Pentalift Equipment Corporation.
      2. Unit to be supplied complete with galvanized mounting hardware.
      3. Unit to be supplied with RS800 RainStop Head Seal.
    1. Rigid Dock Shelter:

\*\* NOTE TO SPECIFIER \*\* The PS-400S Rigid dock shelter is designed to allow complete, unobstructed access to the rear of a truck/trailer for easier loading/unloading operations. The curtains of the shelter seal the top and sides of the trailer by exerting pressure through stays (fiberglass spring material) built into the top and side curtains. Standard units are supplied with bottom draft pads and heavy-duty structural steel protective guards.

* + - 1. Product: PS-400S Rigid Dock Shelter as manufactured by Pentalift Equipment Corporation.

\*\* NOTE TO SPECIFIER \*\* Insert opening and unit dimensions.

* + - 1. Door opening \_\_\_\_\_inches wide by \_\_\_\_\_inches high.
      2. Unit size shall be \_\_\_\_\_inches wide by \_\_\_\_\_inches high by \_\_\_\_\_inches projection.
      3. Frame assemblies shall have factory installed translucent panels. The head frame shall be raked to allow for side drainage. Fiberglass stays, heavy-duty structural steel protective guards, and bottom pads shall to be supplied as standard. All outside frames to have full galvanized trim. Inside leading edges of the curtains shall have foam beads to seal against the truck/trailer.

\*\* NOTE TO SPECIFIER \*\* Insert manufacturer fabric option.

* + - 1. Header and side curtains to be manufactured from \_\_\_\_\_ fabric with double thickness, abrasion resistant, overlapping wear pleats at truck/trailer impact areas.

\*\* NOTE TO SPECIFIER \*\* Delete frame material not required.

* + - 1. Unit's side and head frames shall be manufactured using enamel coated steel frame construction.
      2. Unit's side and head frames shall be manufactured using galvanized steel frame construction.
      3. Unit's side and head frames shall be manufactured from pressure treated lumber.

\*\* NOTE TO SPECIFIER \*\* Delete guide strip if not required.

* + - 1. Side pads shall have 4 inches (102 mm) wide, 24 inch (610 mm) high yellow guide stripes.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide hinge gap seal on side curtains.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide Pentalon ll protective wear surface on upper corners of header curtain.
    1. Dock Shelter:

\*\* NOTE TO SPECIFIER \*\* The PS-470 Ultima Dock Shelter is a unique design permitting full access to the rear door. The curtains of the shelter seal the top and sides of the trailer by exerting pressure through stays (fiberglass spring material) built into the top and side curtains.

* + - 1. Product: PS-470 Ultima Dock Shelter as manufactured by Pentalift Equipment Corporation.

\*\* NOTE TO SPECIFIER \*\* Insert opening and unit dimensions.

* + - 1. Door opening \_\_\_\_\_inches wide by \_\_\_\_\_inches high.

\*\* NOTE TO SPECIFIER \*\* Projections greater than 24 inches (610 mm) are available. Refer to manufacturer's literature.

* + - 1. Unit size shall be \_\_\_\_\_inches wide by \_\_\_\_\_inches high by \_\_\_\_\_inches projection.
      2. Header and side curtains shall be manufactured fabric with double thickness, abrasion resistant, overlapping wear pleats at truck / trailer impact areas.

\*\* NOTE TO SPECIFIER \*\* Insert manufacturer fabric option.

* + - 1. Cover fabric shall be \_\_\_\_\_
      2. Raked head frame shall be covered with translucent panel. Unit shall be supplied with full aluminum trim on raked head frame and two bottom pads.

\*\* NOTE TO SPECIFIER \*\* Delete back board option not required..

* + - 1. Units' head frame shall be manufactured from pressure treated lumber.
      2. Units' head frame and side pad back boards shall be manufactured from pressure treated lumber.

\*\* NOTE TO SPECIFIER \*\* Delete guide strip if not required.

* + - 1. Side pads shall have 4 inches (102 mm) wide, 24 inch (610 mm) high yellow guide stripes.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide hinge gap seal on side curtains.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide Pentalon ll protective wear surface on upper corners of header curtain.
    1. Retractable Dock Shelter:

\*\* NOTE TO SPECIFIER \*\* The PS-500 Retractable dock shelter is best suited for facilities with large doors and where the entire truck/trailer door opening must be unobstructed.

* + - 1. Product: PS-500 Retractable Dock Shelter as manufactured by Pentalift Equipment Corporation.

\*\* NOTE TO SPECIFIER \*\* Insert opening and unit dimensions.

* + - 1. Door opening \_\_\_\_\_inches wide by \_\_\_\_\_inches high.
      2. Unit size shall be \_\_\_\_\_inches wide by \_\_\_\_\_inches high by \_\_\_\_\_inches projection.
      3. Unit shall be manufactured using high strength aluminum components. Curtains shall have galvanized steel finishing angles on the outside edges.
      4. Inside leading edges of the curtains to have foam beads to seal against the truck/trailer.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide Pentalon II protective wear surface on corners of head curtain.
      2. Header and side curtains shall be manufactured with built in fiberglass stays. Unit shall have double thickness, abrasion-resistant, overlapping wear pleats at truck/trailer impact areas. Unit to have two bottom pads.

\*\* NOTE TO SPECIFIER \*\* Insert manufacturer fabric option.

* + - 1. Cover fabric shall be \_\_\_\_\_

\*\* NOTE TO SPECIFIER \*\* Delete guide strip if not required.

* + - 1. Side pads shall have 4 inches (102 mm) wide, 24" high yellow guide stripes.
    1. L-Shape Dock Seal:

\*\* NOTE TO SPECIFIER \*\* The PS-700 L-Shape dock seal is an effective solution for larger door openings which service trucks/trailers of varying widths.

* + - 1. Product: PS-700 L-Shape Dock Seal as manufactured by Pentalift Equipment Corporation.

\*\* NOTE TO SPECIFIER \*\* Insert opening, unit dimensions and curtain drop dimension.

* + - 1. Door opening \_\_\_\_\_inches wide by \_\_\_\_\_inches high.
      2. Side pads shall be \_\_\_\_\_ inches long, face \_\_\_\_\_ inches, back \_\_\_\_\_ inches, with top projection \_\_\_\_ inches, and bottom projection \_\_\_\_ inches.
      3. Curtain shall be \_\_\_\_\_ inches wide, with \_\_\_\_\_ inches drop.
      4. Construction of enviro-green polyurethane foam bonded to a backboard.

\*\* NOTE TO SPECIFIER \*\* Delete backboard material not required.

* + - 1. Backboard: 2 inches (51 mm) thick, kiln-dried wood.
      2. Backboard: 2 inches (51 mm) thick, pressure treated wood.

\*\* NOTE TO SPECIFIER \*\* Insert manufacturer fabric option.

* + - 1. Cover fabric shall be \_\_\_\_\_

\*\* NOTE TO SPECIFIER \*\* Delete guide strip if not required.

* + - 1. Side pads shall have 4 inches (102 mm) wide, full height yellow guide stripes.

\*\* NOTE TO SPECIFIER \*\* Delete wear pleats if not required.

* + - 1. Side pads shall wear pleats.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide build-out boxes as indicated or required.
      2. Pentaswing head curtain shall be full width over side pads, secured to the wall and side pads. Pentaswing curtain shall be adjusted by centralized rope control once truck/trailer is in position.
      3. Unit shall be supplied complete with galvanized mounting.
    1. Fixed Head Inflatable Dock Seal:

\*\* NOTE TO SPECIFIER \*\* The PSI-I50 Fixed Header Inflatable dock seal is best suited for use on doors up to 8 feet wide by 8 feet high (2438 mm by 2438 mm). The PSI-150 is well suited for loading dock situations that service a dedicated fleet.

* + - 1. Product: PSI-150 Fixed Head Inflatable Dock Seal as manufactured by Pentalift Equipment Corporation.

\*\* NOTE TO SPECIFIER \*\* Insert opening and unit dimensions.

* + - 1. Door opening \_\_\_\_\_inches wide by \_\_\_\_\_inches high.

\*\* NOTE TO SPECIFIER \*\* Custom projection dimensions available. Refer to manufacturer literature.

* + - 1. Unit size shall be \_\_\_\_\_inches wide by \_\_\_\_\_inches high by \_\_\_\_\_inches projection.
      2. Unit shall be manufactured in one piece (1 header and 2 side bags) and supplied with pressure treated wood backboards. Side bags to have bottom breathers to allow for air release and moisture discharge.

\*\* NOTE TO SPECIFIER \*\* Insert manufacturer fabric option.

* + - 1. Cover fabric shall be \_\_\_\_\_ with 4 inches (102 mm) wide, yellow guide stripes.

\*\* NOTE TO SPECIFIER \*\* Delete option if not required.

* + - 1. Reinforced inside face of side airbag up to 48 inches (1219 mm) high.
      2. Unit shall be supplied with 1/12 hp, 115/1/60 motor/blower complete with galvanized hood, mounting brackets and manual on/off activation switch with overload protection and indicator light.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide interlock to other dock equipment as indicated or required.
    1. Adjustable Curtain Inflatable Dock Seal:

\*\* NOTE TO SPECIFIER \*\* The PSI-250 Adjustable Curtain Inflatable dock seal shares all of the characteristics of the Model PSI-150 with the added benefit of an adjustable head curtain.

* + - 1. Product: PSI-250 Adjustable Curtain Inflatable Dock Seal as manufactured by Pentalift Equipment Corporation.

\*\* NOTE TO SPECIFIER \*\* Insert opening and unit dimensions.

* + - 1. Door opening \_\_\_\_\_inches wide by \_\_\_\_\_inches high.

\*\* NOTE TO SPECIFIER \*\* Custom projection dimensions available. Refer to manufacturer literature.

* + - 1. Unit size shall be \_\_\_\_\_inches wide by \_\_\_\_\_inches high by \_\_\_\_\_inches projection.
      2. Unit shall be manufactured in one piece (1 header and 2 side bags) with one 12 inches (305 mm) Pentaswing adjustable head curtain and 2 inflatable side bags.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide additional drop curtain.
      2. Side bags shall have bottom breathers to allow for air release and moisture discharge.

\*\* NOTE TO SPECIFIER \*\* Insert manufacturer fabric option.

* + - 1. Cover fabric shall be \_\_\_\_\_ with 4 inches (102 mm) wide, yellow guide stripes.

\*\* NOTE TO SPECIFIER \*\* Delete option if not required.

* + - 1. Reinforced inside face of side airbag up to 48 inches (1219 mm) high.
      2. Unit shall have pressure treated wood backboards.
      3. Unit to be supplied with a 1/12 hp, 115/1/60 motor/blower complete with galvanized hood, mounting brackets and manual on/off activation switch with overload protection and indicator light.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide interlock to other dock equipment as indicated or required.
    1. Adjustable Header Inflatable Dock Seal:

\*\* NOTE TO SPECIFIER \*\* The PSI-350 is well suited for loading docks that service trucks/trailers of varying width, and heights.

* + - 1. Product: PSI-350 Adjustable Header Inflatable Dock Seal as manufactured by Pentalift Equipment Corporation.

\*\* NOTE TO SPECIFIER \*\* Insert opening and unit dimensions.

* + - 1. Door opening \_\_\_\_\_inches wide by \_\_\_\_\_inches high.

\*\* NOTE TO SPECIFIER \*\* Custom projection dimensions available. Refer to manufacturer literature.

* + - 1. Unit size shall be \_\_\_\_\_inches wide by \_\_\_\_\_inches high by \_\_\_\_\_inches projection.

\*\* NOTE TO SPECIFIER \*\* Delete model not required.

* + - 1. Model PSI-350AA: 100 percent air-filled side and top bags have breathers shall allow for air and moisture discharge.
      2. Model PSI-350FA (50 percent foam / 50 percent air side bags).
      3. Model PSI-350FF (100 percent foam side pads). Side pads shall be \_\_\_\_\_inches long, face \_\_\_\_\_ inches, back \_\_\_\_\_ inches, with top projection \_\_\_\_ inches and bottom projection \_\_\_\_ inches.

\*\* NOTE TO SPECIFIER \*\* Insert manufacturer fabric option.

* + - 1. Cover fabric shall be \_\_\_\_\_ complete with 4 inches (102 mm) wide, yellow guide stripes.

\*\* NOTE TO SPECIFIER \*\* Delete option if not required.

* + - 1. Pressure treated wood backboards.

\*\* NOTE TO SPECIFIER \*\* Delete option if not required.

* + - 1. Reinforced inside face of side airbag up to 48 inches (1219 mm) high.
      2. Inflatable header shall be full width over side bags and shall retract by means of a torsion spring assembly.
      3. Inflatable header assembly shall be installed in a full aluminum-trimmed raked protective canopy with the motor/blower mounted to the underside.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide additional drop in head bag.

\*\* NOTE TO SPECIFIER \*\* Delete motor not required. Single phase is standard.

* + - 1. Motor/ blower shall be 1/2 hp, 115/1/60.
      2. Motor/ blower shall be 1/2 hp, 230/1/60.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide interlock to other dock equipment as indicated or required.
      2. Unit shall be supplied with manual on/off activation switch with overload protection and indicator light.
    1. Rigid Inflatable Dock Shelter:

\*\* NOTE TO SPECIFIER \*\* The PSI-450 Rigid Inflatable dock shelter is the ideal choice to allow complete, unobstructed access to the rear of a truck/trailer for easier loading/unloading.

* + - 1. Product: PSI-450 Rigid Inflatable Dock Shelter as manufactured by Pentalift Equipment Corporation.

\*\* NOTE TO SPECIFIER \*\* Insert opening and unit dimensions.

* + - 1. Door opening \_\_\_\_\_inches wide by \_\_\_\_\_inches high.
      2. Unit size shall be \_\_\_\_\_inches wide by \_\_\_\_\_inches high by \_\_\_\_\_inches projection.

\*\* NOTE TO SPECIFIER \*\* Delete frame construction not required..

* + - 1. Unit shall consist of two 100 percent air-filled side bags on pressure treated wood frames with full aluminum trim.
      2. Unit shall consist of two 100 percent air-filled side bags on steel frames (painted or galvanized as indicated) with full aluminum trim.
      3. Air bags shall have an internal retraction system and breathers for air and moisture discharge. Unit shall have 4 inches (102 mm) wide, yellow guide stripes, include bottom pads and protective steel guards.
      4. Inflatable header shall be installed in a full aluminum-trimmed raked protective canopy with the motor/blower mounted to the underside.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide additional drop in head bag.
      2. Unit when inflated, shall allow unobstructed access to truck/trailer.

\*\* NOTE TO SPECIFIER \*\* Insert manufacturer fabric option.

* + - 1. Cover fabric shall be \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete motor not required. Single phase is standard.

* + - 1. Motor/blower shall be 1/2 hp, 115/1/60.
      2. Motor/blower shall be 1/2 hp, 230/1/60.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide interlock to other dock equipment as indicated or required.
      2. Unit to be supplied with manual on/off activation switch with overload protection and indicator light.
    1. Retractable Inflatable Dock Shelter:

\*\* NOTE TO SPECIFIER \*\* The PSI-550 Retractable Inflatable dock shelter design has no projecting framework in the contact areas.

* + - 1. Product: PSI-550 Retractable Inflatable Dock Shelter as manufactured by Pentalift Equipment Corporation.

\*\* NOTE TO SPECIFIER \*\* Insert opening and unit dimensions.

* + - 1. Door opening \_\_\_\_\_inches wide by \_\_\_\_\_inches high.
      2. Unit size shall be \_\_\_\_\_inches wide by \_\_\_\_\_inches high by \_\_\_\_\_inches projection.
      3. Bottom of wrap around side bags and header shall have breathers to allow for air and moisture discharge. Side bags, on pressure treated wood shall have internal retraction system and built in inflatable bottom pads.
      4. Inflatable header assembly shall be installed in a full aluminum trimmed raked protective canopy, on pressure treated wood with the motor/ blower mounted to the underside.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide additional drop in head bag.
      2. Unit when inflated shall allow unobstructed access to truck/trailer.

\*\* NOTE TO SPECIFIER \*\* Insert manufacturer fabric option.

* + - 1. Cover fabric shall be \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete motor not required. Single phase is standard.

* + - 1. Motor/blower shall be 1/2 hp, 115/1/60.
      2. Motor/blower shall be 1/2 hp, 230/1/60.

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Provide interlock to other dock equipment as indicated or required.
      2. Unit to be supplied with manual on/off activation switch with overload protection and indicator light.
    1. Inflatable Rail Shelter:

\*\* NOTE TO SPECIFIER \*\* The PSI-650 inflatable rail shelter provides the most effective weather-protected passageway between a rail car and the loading dock.

* + - 1. Product: PSI-650 Inflatable Rail Shelter as manufactured by Pentalift Equipment Corporation.

\*\* NOTE TO SPECIFIER \*\* Insert opening and unit dimensions.

* + - 1. Door opening \_\_\_\_\_inches wide by \_\_\_\_\_inches high.
      2. Unit size shall be \_\_\_\_\_inches wide by \_\_\_\_\_inches high by \_\_\_\_\_inches projection.
      3. Unit shall be manufactured in one piece (2 side bags and 1 header) and supplied with pressure treated wood backboards and galvanized hood with mounting hardware.

\*\* NOTE TO SPECIFIER \*\* Insert manufacturer fabric option.

* + - 1. Side bags shall have bottom breathers for air release and moisture discharge. Cover fabric shall be \_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Delete motor not required. Single phase is standard.

* + - 1. Unit to be supplied with a 1/2 hp 115/1/60 motor/blower and manual on/off activating switch with overload protection and indicator light.
      2. Unit to be supplied with a 1/2 hp 230/1/60 motor/blower and manual on/off activating switch with overload protection and indicator light.
  1. VEHICLE RESTRAINTS

\*\* NOTE TO SPECIFIER \*\* The UHR40 Ultrahook vehicle restraint safety system will cycle through a broad operating range. It has an exceptional drawbar rating or holding strength of 40,000 lb (18144 kg).

* + 1. Vehicle Restraint Safety System:
       1. Product: Model UHR40 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
       2. Vehicle restraint(s) shall be recessed completely behind the face of the foundation wall with no protruding components when stored.
       3. Operating range of 9 inches to 29 inches (229 mm to 737 mm) and a restraining capacity of 40,000 lb (18144 kg).
       4. Operation shall be electro-hydraulic with a pit mounted power unit.

\*\* NOTE TO SPECIFIER \*\* Insert power source available.

* + - 1. The power supply shall be \_\_/\_\_/\_\_.
      2. Controls shall be a remote, wall mounted control station.
      3. Vehicle restraint(s) shall have full float capability to accommodate the movement of the truck/trailer suspension. Vehicle restraint(s) shall be supplied with a high-visibility, two-way communication system. Internally, there shall be a three light display (red/amber/green) and an instruction sign. Dual image caution signs and an LED style outside deluxe lights (red/green) shall be supplied for external installation. Vehicle restraint(s) shall have a warning alarm to notify the operator of trailer creep and/or of non-engagement of the R.I.G.
      4. Vehicle restraint(s) to have Pentalift gray finish with yellow arm.

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Provide weld plate for cast in concrete installation.
      2. Provide pour-in-place pan.
      3. Provide interlock to other loading dock equipment.
    1. Vehicle Restraint Safety System:

\*\* NOTE TO SPECIFIER \*\* The Pentalift LPR35 vehicle restraint safety system is designed to accommodate vehicles fitted with very low rear impact guards.

* + - 1. Product: Model LPR35 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
      2. Vehicle restraint(s) shall be a non-impact design with an operating range of 8-3/4 inches to 26 inches (222 mm to 660 mm) and a restraining capacity of 35,000 lb (15876 kg).
      3. Operation shall be electro-hydraulic with a remote power unit. Controls shall be a remote, wall mounted control station.

\*\* NOTE TO SPECIFIER \*\* Insert power source available.

* + - 1. The power supply shall be \_/\_/\_.
      2. The design shall a heavy-duty, removable steel guard. Stepped hook arrangement providing dual locking positions.
      3. External limit switches shall be water resistant. Vehicle restraint(s) shall be supplied with a high-visibility, two-way communication system. Internally, there shall be a three light display (red/amber/green) and an instruction sign. Dual image caution signs and an LED style outside deluxe lights (red/green) shall be supplied for external installation. Vehicle restraint(s) shall have an audible alarm to signal when the restraint does not engage the truck/ trailer's R.I.G.
      4. Vehicle restraint(s) to have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Provide weld plate for cast in concrete installation.
      2. Provide cantilever /extension mounting plate.
      3. Provide zinc plating.
      4. Provide power failure release.
      5. Provide interlock to other loading dock equipment.

\*\* NOTE TO SPECIFIER \*\* The HFR32 vehicle restraint safety system is a face-mounted, non-impact safety system.

* + 1. Vehicle Restraint Safety System:
       1. Product: Model HFR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
       2. The vehicle restraint(s) shall be a non-impact design with an operating range of 10-1/2 inches to 28-1/2 inches (267 mm to 724 mm) and a restraining capacity of 32,000 lb (14515 kg). Hook arrangement shall be manufactured from 100,000 PSI (689,480 kPa) steel. Operation shall be electro-hydraulic with a remote power unit.

\*\* NOTE TO SPECIFIER \*\* Insert power source available.

* + - 1. The power supply shall be \_\_/\_\_/\_\_.
      2. Controls shall be a remote, wall mounted control station.
      3. The design shall include a heavy duty, removable steel guard.
      4. A force of approximately 30 lb shall be required to activate the signal bar. All external limit switches shall be water resistant. Vehicle restraint(s) shall be supplied with a high-visibility, two-way communication system. Internally, there shall be a three light display (red/amber/green) and an instruction sign. Dual image caution signs and LED style external deluxe lights (red/green) shall be supplied for external installation. Vehicle restraint(s) shall have an audible alarm to signal when the restraint does not engage the truck/trailer's R.I.G.
      5. Vehicle restraint(s) shall have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Provide weld plate for cast in concrete installation.
      2. Provide cantilever /extension mounting plate.
      3. Provide zinc plating.
      4. Provide manual power failure release valve.
      5. Provide interlocked to other loading dock equipment.

\*\* NOTE TO SPECIFIER \*\* The RVR32 vehicle restraint safety system is a raised, face mounted off the ground design.

* + 1. Vehicle Restraint Safety System:
       1. Product: Model RVR32 Vehicle Restraint Safety System as manufactured by Pentalift Equipment Corporation.
       2. Vehicle restraint(s) shall be a raised design with an operating range of 9 inches to 25 inches (229 mm to 635 mm) and a restraining capacity of 32,000 lb (14515 kg).

\*\* NOTE TO SPECIFIER \*\* Select installation type. Delete options not required.

* + - 1. Installation on interior loading dock wall.
      2. Installation under dock leveler.
      3. The spring loaded carriage, automatically adjusts to trailer movement "float" maintaining contact with vehicle rear impact guard. Operation of the restraint hook shall be made by a hydraulic cylinder.
      4. Interlocking System: When RVR32 Vehicle Restraint Safety System is used in conjunction with a Pentalift hydraulic dock leveler, the operation of the Pentalift model RVR32safety system and dock leveler are combined into one single hydraulic power unit with one common control panel.

\*\* NOTE TO SPECIFIER \*\* 115/1/60 is the preferred voltage.

* + - 1. The power supply shall be 115/1/60 unless stated otherwise.
      2. Controls shall be a remote, wall mounted control station. Limit switches shall be water resistant. Vehicle restraint(s) shall be supplied with a high-visibility, two-way communication system. Internally, there shall be a three light display (red/amber/green) and an instruction sign. Dual image caution signs and an LED style outside deluxe lights (red/green) shall be supplied for external installation. Vehicle restraint(s) shall have an audible alarm to signal when the restraint does not engage the truck/ trailer's R.I.G.
      3. Vehicle restraint(s) shall have zinc plated finish for superior corrosion protection and all weather protection.

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Provide cantilever /extension mounting plate.
      2. Provide interlock to other loading dock equipment.

\*\* NOTE TO SPECIFIER \*\* The MFRSA mechanical vehicle restraint provides the combination of a cost effective vehicle restraint with a complete communication system.

* + 1. Vehicle Restraint:
       1. Product: Model MFRSA32 Vehicle Restraint as manufactured by Pentalift Equipment Corporation.
       2. Vehicle restraint(s) shall be a non-impact design with an operating range of 10-1/2 inches (267 mm) to 28-1/2 inches (724 mm) and a restraining capacity of 32,000 lb (14515 kg). Operation shall be manual using an operating T handle. Controls shall be a remote, wall mounted control station.
       3. Dual image caution signs and an LED style outside deluxe lights (red/green) shall be supplied for external installation. The signal lights are automatically switched when the signal bar contacts the trailers rear impact guard. The design shall also include a heavy-duty, removable steel guard.
       4. Vehicle restraint(s) shall have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Provide weld plate for cast in concrete installation.
      2. Provide cantilever /extension mounting plate.
      3. Provide zinc plating.

\*\* NOTE TO SPECIFIER \*\* The MFR32 mechanical vehicle restraint offers a rugged structural design, simple operation and maximum product value.

* + 1. Vehicle Restraint:
       1. Product: Model MFR32 Vehicle Restraint as manufactured by Pentalift Equipment Corporation.
       2. Vehicle restraint(s) shall be a non-impact design with an operating range of 10-1/2 inches (267 mm) to 28-1/2 inches (724 mm) and a restraining capacity of 32,000 lb (14515 kg). Operation shall be manual using an operating T handle. The design shall also include a heavy-duty, removable steel guard. Vehicle restraint(s) shall have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Provide weld plate for cast in concrete installation.
      2. Provide cantilever /extension mounting plate.
      3. Provide zinc plating.
      4. Provide manual communication system.
  1. DOCK LIFTS
     1. Stationary Dock Lifts:

\*\* NOTE TO SPECIFIER \*\* Higher capacities or additional platform sizes are available. Please contact factory for specific project requirements. Delete if not required.

* + - 1. Product: HED Series as manufactured by Pentalift Equipment Corporation.
      2. Dock lift shall be built of 4-way safety tread plate with 8 inches (203 mm) bevel toe guards. The unit shall have a vertical travel of 59 inches (1499 mm) (except 84 inches (2134 mm) long which is 50 inches (1270 mm)) and a lowered height of 12 inches (305 mm).
      3. An 18 inches by 60 inches (457 mm by 1524 mm) one piece, high tensile steel bridge plate shall be provided on the rolling end. Plated access chain between guard rails on fixed end.
      4. The hydraulic lift cylinder(s) shall be PentaFLOW style, equipped with an automatic bypass system at the top of cylinder stroke. A hydraulic velocity fuse shall be incorporated to prevent platform free-fall in the event a hydraulic hose is accidentally severed.
      5. Pivot points to have chromed pins and "lubricated for life" bearings.
      6. Unit shall have two removable guardrails 42 inches (1067 mm) high with mid rails and 4 inches (102 mm) high kick plates.
      7. An integral maintenance stand shall be provided for safety during servicing.
      8. Controls shall be NEMA 4X pendant type push-button.
      9. The power unit shall be remote mounted and consist of a totally enclosed motor with integral hydraulic fluid reservoir. The motor shall be equipped with NEMA 12 pre-wired enclosure.

\*\* NOTE TO SPECIFIER \*\* Insert power supply available.

* + - 1. Power supply to be \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_.
      2. The dock lift shall be shipped complete with hydraulic fluid.
      3. Unit shall have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required.

* + - 1. Model HED 47: 48 inches by 84 inches (1219 mm by 2134 mm).
      2. Model HED 48: 48 inches by 96 inches (1219 mm by 2438 mm).
      3. Model HED 49: 48 inches by 108 inches (1219 mm by 2743 mm).
      4. Model HED 410: 48 inches by 120 inches (1219 mm by 3048 mm).
      5. Model HED 57: 60 inches by 84 inches (1524 mm by 2134 mm).
      6. Model HED 58: 60 inches by 96 inches (1524 mm by 2438 mm).
      7. Model HED 59: 60 inches by 108 inches (1524 mm by 2743 mm).
      8. Model HED 510: 60 inches by 120 inches (1524 mm by 3048 mm).
      9. Model HED 68: 72 inches by 96 inches (1829 mm by 2438 mm).
      10. Model HED 69: 72 inches by 108 inches (1829 mm by 2743 mm).
      11. Model HED 610: 72 inches by 120 inches (1829 mm by 3048 mm).
      12. Model HED 612: 72 inches by 144 inches (1829 mm by 3658 mm).
      13. Model HED 78: 84 inches by 96 inches (2134 mm by 2438 mm).
      14. Model HED 79: 84 inches by 108 inches (2134 mm by 2743 mm).
      15. Model HED 710: 84 inches by 120 inches (2134 mm by 3048 mm).
      16. Model HED 712: 84 inches by 144 inches (2134 mm by 3658 mm).
      17. Model HED 88: 96 inches by 96 inches (2438 mm by 2438 mm).
      18. Model HED 89: 96 inches by 108 inches (2438 mm by 2743 mm).
      19. Model HED 810: 96 inches by 120 inches (2438 mm by 3048 mm).
      20. Model HED 812: 96 inches by 144 inches (2438 mm by 3658 mm).

\*\* NOTE TO SPECIFIER \*\* Delete if not required. Delete capacities not required.

* + - 1. Capacity and Load Rating: Side edge load rating is 63 percent of overall capacity; end edge load rating is 80 percent of overall rated capacity for capacities less than or equal to 15,000 lb (6804 kg).
         1. Capacity: 3,000 lb (1361 kg).
         2. Capacity: 4,000 lb (1814 kg).
         3. Capacity: 5,000 lb (2268 kg).
         4. Capacity: 6,000 lb (2722 kg).
         5. Capacity: 8,000 lb (3629 kg).
         6. Capacity: 10,000 lb (4536 kg).
         7. Capacity: 12,000 lb (5443 kg).
         8. Capacity: 15,000 lb (6804 kg).

\*\* NOTE TO SPECIFIER \*\* Delete if not required.

* + - 1. Capacity and Load Rating: Side edge load rating is 50 percent of overall capacity; end edge load rating is 75 percent of overall rated capacity for capacities greater than 15,000 lb (6804 kg).
         1. Capacity: 20,000 lb (9072 kg).

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Provide toe sensor.
      2. Provide larger bridge size 48 inches to 96 inches (1219 mm to 2438 mm) wide by 18 inches to 42 inches long (457 mm to 1067 mm).
      3. Provide aluminum bridge(s).
      4. Provide split bridge(s).
      5. Provide spring assisted bridge(s).
      6. Provide hydraulic powered bridges.
      7. Provide power units with increased hp for faster lift times.
      8. Provide automatic hydraulic roll off Stop.
      9. Provide up travel limit switch.
      10. Provide platform mounted push button control.
      11. Provide push button on coil cord.
      12. Provide wall mounted push button.
      13. Provide removable push button on post on platform.
      14. Provide two second warning bell (sounds prior to lift movement).
      15. Provide swing out night stops.
      16. Provide overhead door interlocking kit.
      17. Provide additional guard rails (platform or floor mount).
      18. Provide manual lowering valve.
    1. High Capacity Dock Lifts:

\*\* NOTE TO SPECIFIER \*\* Designed to facilitate loading where the application requires a lifting capacity ranging from 25,000 lbs to 40,000 lbs (11340 kg to 18144 kg).

* + - 1. Product: HEDHC Series as manufactured by Pentalift Equipment Corporation.
      2. Dock lift shall be built of 4-way safety tread plate with 8 inches (203 mm) bevel toe guards. The unit shall have a vertical travel (consult factory for vertical travel available for specific model) and a lowered height of between 20 inches (508 mm) and 30 inches (762 mm).
      3. An 18 inches by 60 inches (457 mm by 1524 mm) one piece, high tensile steel bridge plate shall be provided on the rolling end. Plated access chain between guard rails on fixed end.
      4. The hydraulic lift cylinder(s) shall be PentaFLOW style, equipped with an automatic bypass system at the top of cylinder stroke. A hydraulic velocity fuse shall be incorporated to prevent platform free-fall in the event a hydraulic hose is accidentally severed.
      5. Pivot points to have chromed pins and "lubricated for life" bearings.
      6. Unit shall have two removable guardrails 42 inches (1067 mm) high with mid rails and 4 inches (102 mm) high kick plates.
      7. An integral maintenance stand shall be provided for safety during servicing.
      8. Controls shall be NEMA 4X pendant type push-button.
      9. The power unit shall be remote mounted and consist of a totally enclosed motor with integral hydraulic fluid reservoir. The motor shall be equipped with NEMA 12 pre-wired enclosure.

\*\* NOTE TO SPECIFIER \*\* Insert power supply available.

* + - 1. Power supply to be \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_.
      2. The dock lift shall be shipped complete with hydraulic fluid.
      3. Unit shall have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required.

* + - 1. Model HED 58: 60 inches by 96 inches (1524 mm by 2438 mm).
      2. Model HED 59: 60 inches by 108 inches (1524 mm by 2743 mm).
      3. Model HED 510: 60 inches by 120 inches (1524 mm by 3048 mm).
      4. Model HED 68: 72 inches by 96 inches (1829 mm by 2438 mm).
      5. Model HED 69: 72 inches by 108 inches (1829 mm by 2743 mm).
      6. Model HED 610: 72 inches by 120 inches (1829 mm by 3048 mm).
      7. Model HED 612: 72 inches by 144 inches (1829 mm by 3658 mm).
      8. Model HED 78: 84 inches by 96 inches (2134 mm by 2438 mm).
      9. Model HED 79: 84 inches by 108 inches (2134 mm by 2743 mm).
      10. Model HED 710: 84 inches by 120 inches (2134 mm by 3048 mm).
      11. Model HED 712: 84 inches by 144 inches (2134 mm by 3658 mm).
      12. Model HED 88: 96 inches by 96 inches (2438 mm by 2438 mm).
      13. Model HED 89: 96 inches by 108 inches (2438 mm by 2743 mm).
      14. Model HED 810: 96 inches by 120 inches (2438 mm by 3048 mm).
      15. Model HED 812: 96 inches by 144 inches (2438 mm by 3658 mm).
      16. Capacity: Side edge load rating is 50 percent of overall capacity; end edge load rating is 75 percent of overall rated capacity.

\*\* NOTE TO SPECIFIER \*\* Delete capacities not required.

* + - 1. Capacity: 25,000 lb (11340 kg).
      2. Capacity: 30,000 lb (13608 kg).
      3. Capacity: 35,000 lb (15876 kg).
      4. Capacity: 40,000 lb (18144 kg).

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Provide toe sensor.
      2. Provide larger bridge size 48 to 96 inches (1219 by 2438 mm) wide x 18 to 42 inches (457 by 1067 mm) long.
      3. Provide split bridge(s).
      4. Provide spring assisted bridge(s).
      5. Provide hydraulic powered bridges.
      6. Provide power units with increased hp for faster lift times.
      7. Provide automatic hydraulic roll off Stop.
      8. Provide up travel limit switch.
      9. Provide platform mounted push button control.
      10. Provide push button on coil cord.
      11. Provide wall mounted push button.
      12. Provide removable push button on post on platform.
      13. Provide two second warning bell (sounds prior to lift movement).
      14. Provide swing out night stops.
      15. Provide overhead door interlocking kit.
      16. Provide additional guard rails (platform or floor mount).
      17. Provide manual lowering valve.
    1. Low Profile Dock Lifts:

\*\* NOTE TO SPECIFIER \*\* A lowered height of only 6 inches (152 mm) allows ground level access without the need for construction of a pit.

* + - 1. Product: LPE Series Low Profile Dock Lifts as manufactured by Pentalift Equipment Corporation.
      2. Low profile dock lift shall be built of 4-way safety tread plate with straight toe guards. The unit shall have a vertical travel of 54 inches (1372 mm) and a lowered height of 6 inches (152 mm).
      3. An 18 inches long by 60 inches wide (457 mm by 1524 mm) safety tread bridge plate shall be provided on the rolling end. A 36 inches long by 60 inches wide (1524 mm by 1524 mm) hinged approach plate shall be provided on the fixed end.
      4. Plated access chain between guard rails on fixed end shall be provided.
      5. Hydraulic lift cylinders shall be PentaFLOW style equipped with an automatic bypass system at the top of cylinder stroke. Hydraulic cylinders shall be located completely beneath the unit to permit both full use of deck area and product transfer in all four directions. A velocity fuse shall be incorporated to prevent deck free-fall in the event a hydraulic hose is accidentally severed.
      6. Scissor legs shall be of solid steel construction for maximum strength and rigidity.
      7. Unit shall have two removable guardrails 1-5/8 inches (41 mm) in diameter, 42 inches (1067 mm) high with mid rail and 4 inches (102 mm) high kick plate.
      8. Controls shall be NEMA 4X pendant type push-button.
      9. The power unit shall be remote mounted and consist of a TEFC, continuous duty motor with integral hydraulic fluid reservoir. The motor shall be equipped with a NEMA 12 control enclosure.

\*\* NOTE TO SPECIFIER \*\* Insert power supply available.

* + - 1. Power supply shall be \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_.
      2. The dock lift shall be shipped complete with hydraulic fluid.
      3. Unit shall have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required.

* + - 1. Model LPE 58: 60 inches by 96 inches (1524 mm by 2438 mm).
      2. Model LPE 510: 60 inches by 120 inches (1524 mm by 3048 mm).
      3. Model LPE 68: 72 inches by 96 inches (1829 mm by 2438 mm).
      4. Model LPE 610: 72 inches by 120 inches (1829 mm by 3048 mm).
      5. Model LPE 78: 84 inches by 96 inches (2134 mm by 2438 mm).
      6. Model LPE 710: 84 inches by 120 inches (2134 mm by 3048 mm).
      7. Model LPE 88: 96 inches by 96 inches (2438 mm by 2438 mm).
      8. Model LPE 810: 96 inches by 120 inches (2438 mm by 3048 mm).
      9. Capacity: Side and end edge load capacities are 50 percent of lift capacity. Retaining cradles and wear plates, recommended for all installations, increase the end edge load capacity to 75 percent of lift capacity.

\*\* NOTE TO SPECIFIER \*\* Delete capacities not required.

* + - 1. Capacity: 4,000 lb (1814 kg).
      2. Capacity: 5,000 lb (2268 kg).
      3. Capacity: 6,000 lb (2722 kg).
      4. Capacity: 8,000 lb (3629 kg).

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Provide retaining cradles and wear plates. Add 1/4 inch (6 mm) to low height.
      2. Provide toe sensor.
      3. Provide larger bridge size 48 to 96 inches (1219 by 2438 mm) wide x 18 to 42 inches (457 by 1067 mm) long.
      4. Provide aluminum bridge(s).
      5. Provide split bridge(s).
      6. Provide spring assisted bridge(s).
      7. Provide automatic mechanical roll off Stop.
      8. Provide power units with increased hp for faster lift times.
      9. Provide up travel limit switch.
      10. Provide platform mounted push button control.
      11. Provide push button on coil cord.
      12. Provide wall mounted push button.
      13. Provide two second warning bell (sounds prior to lift movement).
      14. Provide up / down key operated selector switch.
      15. Provide additional guard rails (platform or floor mount).
      16. Provide manual lowering valve.
      17. Provide portable dolly handle.
      18. Provide platform mounted power unit.
    1. Dock Lifts:

\*\* NOTE TO SPECIFIER \*\* This model of dock lift provides a cost value alternative.

* + - 1. Product: LDL Series Dock Lifts as manufactured by Pentalift Equipment Corporation.
      2. Dock lift shall be built of checker plate deck with bevel toe guards. The unit shall have a vertical travel of 59 inches (1499 mm) and a lowered height of 8 inches (203 mm).
      3. An 18 inches by 60 inches (457 mm by 1524 mm) one piece, high tensile steel bridge plate shall be provided on the rolling end.
      4. The hydraulic lift cylinder(s) shall be PentaFLOW style, equipped with an automatic bypass system at the top of cylinder stroke. A hydraulic velocity fuse shall be incorporated to prevent platform free-fall in the event a hydraulic hose is accidentally severed.
      5. Pivot points to have chromed pins and "lubricated for life" bearings.
      6. Unit shall have two removable guardrails 42 inches (1067 mm) high with mid rails and 4 inches (102 mm) high kick plates.
      7. An integral maintenance stand shall be provided for safety during servicing.
      8. Controls shall be NEMA 4X pendant type push-button.
      9. The power unit shall be remote mounted and consist of a totally enclosed motor with integral hydraulic fluid reservoir. The motor shall be equipped with NEMA 12 pre-wired enclosure.

\*\* NOTE TO SPECIFIER \*\* Insert power supply available.

* + - 1. Power supply to be \_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_.
      2. The dock lift shall be shipped complete with hydraulic fluid.
      3. Unit shall have Pentalift gray finish.

\*\* NOTE TO SPECIFIER \*\* Delete models and platform sizes not required.

* + - 1. Model LDL 68: 72 inches by 96 inches (1829 mm by 2438 mm).
      2. Model LDL 69: 72 inches by 108 inches (1829 mm by 2743 mm).
      3. Model LDL 610: 72 inches by 120 inches (1829 mm by 3048 mm).
      4. Model LDL 78: 84 inches by 96 inches (2134 mm by 2438 mm).
      5. Model LDL 79: 84 inches by 108 inches (2134 mm by 2743 mm).
      6. Model LDL 710: 84 inches by 120 inches (2134 mm by 3048 mm).
      7. Model LDL 88: 96 inches by 96 inches (2438 mm by 2438 mm).
      8. Model LDL 89: 96 inches by 108 inches (2438 mm by 2743 mm).
      9. Model LDL 810: 96 inches by 120 inches (2438 mm by 3048 mm).
      10. Capacity: Side and end edge load ratings shall be 2500 lb (1134 kg).

\*\* NOTE TO SPECIFIER \*\* As standard, LDL Series are available in 5,000 and 6,000 capacity. Delete capacity not required.

* + - 1. Capacity: 5,000 lb (2268 kg).
      2. Capacity: 6,000 lb (2722 kg).

\*\* NOTE TO SPECIFIER \*\* Delete options not required.

* + - 1. Provide toe sensor. Note: increases lowered height to 8 inches (203 mm).
      2. Provide larger bridge size 48 to 96 inches (1219 by 2438 mm) wide x 18 to 42 inches (457 by 1067 mm) long.
      3. Provide aluminum bridge(s).
      4. Provide split bridge(s).
      5. Provide spring assisted bridge(s).
      6. Provide power units with increased hp for faster lift times.
      7. Provide up travel limit switch.
      8. Provide platform mounted push button control.
      9. Provide push button on coil cord.
      10. Provide wall mounted push button.
      11. Provide removable push button on post on platform.
      12. Provide up / down key operated selector switch.
      13. Provide two second warning bell (sounds prior to lift movement).
      14. Provide swing out night stops.
      15. Provide overhead door interlocking.
      16. Provide additional guard rails (platform or floor mount).
      17. Provide manual lowering valve.
  1. CONTROL PANELS
     1. Interior Wall Mount Station: NEMA 12 interior wall mount control station with high visibility interior signal lights are coordinated with exterior signal lights with simple instructions, selector switch and amber light with override mode.

\*\* NOTE TO SPECIFIER \*\* Canada only. Delete if not required.

* + - 1. CSA certified for the design and manufacture of industrial control equipment.
    1. Combination Control Panels: Combine the controls for loading dock equipment including vehicle restraint systems, hydraulic dock leveler, overhead door, and inflatable dock shelter into a single common panel to ensure proper use and sequencing of equipment for increased safety and ease of operations.

1. EXECUTION
   1. EXAMINATION
      1. Do not begin installation until substrates have been properly prepared.
      2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
   2. PREPARATION
      1. Clean surfaces thoroughly prior to installation.
      2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
   3. INSTALLATION
      1. Install in accordance with manufacturer's instructions.
   4. PROTECTION
      1. Protect installed products until completion of project.
      2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION