

1. GENERAL

1.1 SECTION PERTAINS TO THE MANUFACTURE, SUPPLY AND INSTALLATION OF:

- A. Ulti Container Dock Leveller

1.2 REFERENCES

- A. AS/NZS 3000 - Electrical Installations
- B. AS/NZS 3820 - Standard for Essential safety requirements for electrical equipment
- C. NZS 3101:2006 - Concrete Structure Standards
- D. NZS 3404.1:2009 - Steel Structures Standards
- E. ANSI MH30.1:2015 - Performance and Testing Requirements for Dock Levelling Devices

1.3 SUBMITTALS

- A. 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.
- B. Shop Drawings include the following:
 - 1. Overall dimensions (Width, Length)
 - 2. Location of electrical service panels and motor locations.
 - 3. Supporting construction requirements and equipment structural attachment.
 - 4. Operating range and required clearances.
- C. Closeout Submittals:
 - 1. Submit manufacturer's owner's manual, maintenance manual and master service manual.
 - 2. Manufacturer's warranty.
- D. Selection Samples : For each finish product specified, two complete sets of colour chips representing manufacturer's full range of available colours and patterns.
- E. Verification Samples : For each finish product specified, two samples, minimum size 150mm square, representing actual product, colour and patterns .

1.4 QUALITY ASSURANCE

A. Manufacturer Qualifications: Providing sole source for design, engineering, manufacturing and warranty claims handling.

B. Installer Qualifications: Trained and certified by manufacturer.

1.5 DELIVERY, STORAGE AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.6 PROJECT CONDITIONS

A. 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 absolute limits.

1.7 WARRANTY

A. The manufacturer shall provide a 1-year limited warranty on parts and labour, including electrical.

B. The manufacturer shall warrant that the equipment will perform in a manner satisfactory to the Owner for a period of 12 months after the date of installation. If the Owner is not satisfied with the performance of the equipment, the Owner may notify the manufacturer and the manufacturer shall remove the equipment and refund the equipment purchase price to the Owner.

2. PRODUCTS

2.1 MANUFACTURERS

A. Manufacturer/Supplier contact details:

Company: Ulti Group Ltd

Website: <http://www.ultigroup.co.nz>

Email: sales@ultigroup.co.nz

Telephone: +64 6 278 2003

Toll Free Phone: 0800 807 753

Address (Head Office): 105 Glover Road. Hawera 4610, PO Box 340,

- B. Substitutions : No substitutions are permitted

2.2 HYDRAULIC DOCK LEVELLER

- A. Ulti Container Dock Leveller

1. Description : Container Dock Levellers are suited to accommodate loading and unloading containers that are positioned central on the truck and not sitting right at the back of the truck. The container dock leveller is designed so that the trailer can park underneath the dock platform allowing the forklift to access the container on the leveller with ease.
2. Design : Heavy duty design of platform, lip, and base frame ensures strength and durability. Base frame is designed to fully contain all hydraulic forces within the base frame. Platform is designed to allow for vehicle suspension movement including sideways tilt during loading and unloading.
3. Dimension : 3000mm wide x 4000mm long. Other sizes available upon request.
4. Deck : 18mm thick heavy duty checker-plate top, fully cleaned, primed with DULUX ultratech and top coat using 2 pack Supa Grip.
5. Overall Deck Travel Up : 380mm (Based on 1600mm dock height).
6. Deck Travel Down : 300mm (for barn doors to open up over the top of the dock leveller).
7. Lip : 18mm thick heavy duty checker-plate top, fully cleaned, primed with DULUX ultratech and top coat using 2 pack Supa Grip.
8. Lip Dimension : 2000mm wide x 500mm long.
9. Pit Type : Container set-up. Cast-in channel located at rear of dock.
10. Dock Bumpers : Attached to front of dock leveller. 100mm wide x 300mm long x 100mm deep standard size.
11. Toe Guards : Fully integrated 5mm thick galvanised steel telescoping toe guards, mounted on inside of platform and protected by deep side plates to platform ensuring minimal damage can occur.
12. Compliance :
 - a. Electrical Components, Connections and Wiring shall be UL listed or recognized.
 - b. Rated Capacity : 11, 400 kilograms.
13. Motors : Hydraulic power pack. Located under the dock leveller mounted to rear wall.
14. Power Requirement : 415V, 3 Phase plus neutral. Isolator switch to be mounted above control box.

15. Hydraulics :

- a. Free Fall Prevention : Non-adjustable hydraulic fuse limits platform free fall to 75mm.
- b. Hydraulic Pumps : Manifold and oil reservoir contained in integral assemblies.
- c. Hoses : Routed under leveller platforms.
- d. Hydraulic Fluid : Biodegradable.

16. Controls : Wall mounted control box, fitted with power overload.

17. Operation : Full hydraulic. Double button controls. One button raises platform and then extends the lip and the second, a toggle switch, freezes the platform in place.

3. EXECUTION

3.1 DELIVERY, STORAGE AND HANDLING

- A. Take delivery of materials and goods and store components and accessories undercover on a flat, level surface off the floor as recommended by manufacturer.
- B. Keep dry and protect from damage and contamination at all times.
- C. Handle products in accordance with manufacturer's requirements to avoid scratching, distortion or other damage.

3.2 EXAMINATION

- A. Installer shall examine the opening and conditions under which power door is to be installed and notify the Architect and Contractor in writing of any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the installer.
- B. Do not begin installation until openings have been properly prepared.
- C. If opening preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.3 PREPARATION

- A. Clean surfaces thoroughly prior to installation.

- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.4 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. After installation is completed, the manufacturer shall examine the installation and require that all connections and adjustments necessary to assure proper operation of power door has been made.
 - 1. Before acceptance, a demonstration shall be conducted in the presence of the Owner's representative that all doors operate properly in every aspect.
 - 2. In addition, a detailed user/operator training session shall be conducted at time and place agreed upon by Owner's representative.

3.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

- END OF SECTION -