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**\*\* ATTENTION \*\***

**PLEASE READ PRIOR TO  
INSTALLATION & START UP**

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## Reception of products

### Steps to follow before installation

1. Keep all delivery receipts
  - Delivery slip
  - Bill of lading
  - Shipping list
  - List of panels/pallets
  - Carrier documents
2. Ensure that all material is received according to the delivery slip (refer to the example below).
3. For more details refer to the procedure « YOUR RESPONSIBILITY WHEN RECEIVING FREIGHT » at the end of this document.

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Sales Order #

Master Pack

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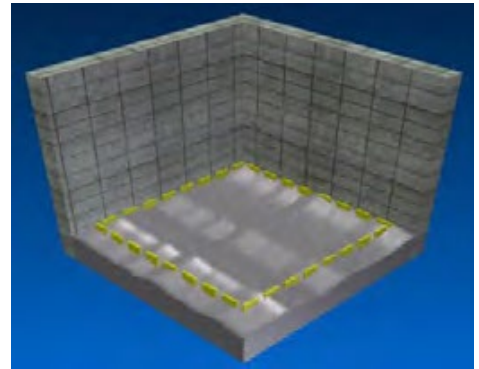
<p><b>Bill to</b></p>          <p><b>Fax:</b></p>	<p><b>Ship to</b></p>          <p><b>Fax:</b></p>
<p>PO: _____ Ship Via: _____ FOB: NORB01</p> <p>Ship date: _____ Master Pack No: 1896 Sales Person: _____</p>	

Pack	Line	Ship Qty	Part Number	Description	Poids (lbs)	Vol.(pi3)	Dimensions (po) (W-L-H)
51950		11 - B15FL02			1418	141,8	48 X 89 X 59
	1	74,00 un/ea	0308-00004	White plastic plug 3/4"			
	2	10,00 un/ea	0308-00005	Silver grey plastic plug 3/4"			
	3	7,00 un/ea	0309-00020	Silicone adhesive sealant white 4552			
	4	2,00 un/ea	0309-00063	Silicone adhesive sealant grey granite 455-20			
	5	2,00 un/ea	0310-00008	Frame reinforcement 3" x 3" x 5" galvanized steel 14ga			
	6	2,00 un/ea	0310-00030	Lower frame angle 1 1/2" x 1 1/2" x 5" galvanized steel 18ga			
	7	12,00 un/ea	0311-00137	Self-drilling screw #14 x 1" hexagonal head with			

## Installation instructions

### Placement of the walk-in

1. Determine exact walk-in location with customer.
2. Trace exterior placement of walls as indicated on your assembly drawing. When tracing, it is important to respect the minimal spacing (2") between walk-in and building walls.
3. Ensure that there is no interference in the space that the cold room will occupy (width, length, height).



### Surface preparation



#### IMPORTANT

- Make sure surfaces are clean and dry.
- Make sure installation surface is leveled (Max ¼" at 10').

1. If the installation surface is not leveled, adjustment must be made by pouring self leveling concrete.
2. Installation of screed may be done directly on the floor following instruction details from Norbec supplied with the cold room.
3. If it is impossible to level the floor, make sure all panels are installed following the same plane.

### The new design of the ModaSPACE panels

#### Specifics

You are ready to install panels of a unique design in North America. Before proceeding here is an overview of the specifics of these panels:

- An attachment track system providing a hanging interface every 2" is integrated into the perimeter of the ceilings and floors. It is this new system that allows for the modularity of the panels. Each panel can be interchanged to accommodate unforeseen site conditions.
- Flat joints: the male & female profiles of the panel joints have been replaced by flat joints allowing a better modularity and an easier integration in the production line.
- "Hybrid" hooks: male and female camlock fasteners are now universal: each fastener has a hook and a locking pin that once again allows for better modularity. These hooks can accommodate studs to facilitate the alignment of the panels and are activated with a hexagonal key.
- The wall dividers and wall corners are made in the form of "posts" that are quick to identify and easy to handle. The interior corners feature a chamfer that ensures efficient cleaning and compliance with NSF requirements.

### Performance



#### *Camlock pull out strength*

Hybrid camlocks have been subjected to traction tests that have shown that their pulling effort (in foam) is superior to that of traditional camlock fasteners with a metal casing.



#### *Shear resistance of flat joints*

To simulate a load applied to a ceiling, Norbec performed shear tests and the performance of the hybrid camlock fasteners are superior to those of traditional cam ties with metal casing thanks to their effective adhesion in the foam.



#### *Sealing of flat joints*

Air infiltration tests (positive/negative pressurization) and thermal imaging IR analyzes around panel joints demonstrated that flat joints are as effective as male-female joints.

## Panel installation



### IMPORTANT

- Gloves should be worn when installing panels.
- A two-person crew is preferable to install a walk-in. Some panels may be too long or heavy to be handled alone.
- It is recommended to allow for 12 hours before using your cold room.

### General

To install the panels, you will need the various elements provided by Norbec:

- A hexagonal key
  - 4" Screeds (to accommodate the walls on the concrete slab)
  - Panel alignment studs
  - Injected transition moldings (to fill openings under dividing walls)
  - One or more silicone tubes (for some finishes)
  - Plastic caps (to seal camlock fasteners activation holes)
  - Stainless or galvanized steel angles (to secure door frames)
  - Pre-painted steel moldings (for finishing with adjacent walls)
  - Floor spacers trim moldings
  - Nail anchors (to fix door bottom angles and floor screeds)
  - Self-tapping screws
1. Before installing a panel, make sure the plastic protective film (SPV) is removed.
  2. Plastic studs come with the kit. They can be used (1 at each end of the hook) to facilitate the alignment of the panels.



Alignment Stud

3. Norbec panels are designed to fit so that the camlock fasteners are activated from the inside. The panels are equipped with "hybrid" camlocks (male and female at the same time) on either side of the joint. However, there is no need to activate the two hooks that make up a connection. It is recommended to always activate the hook on the same side of the joint.

## Floor

1. For a room with insulated floor, install floor panels (identified 0614-XXXXX) following the assembly drawing supplied with your installation kit. As mentioned, floor leveling is critical to obtain a conclusive result.

## Walls installed on floor panels

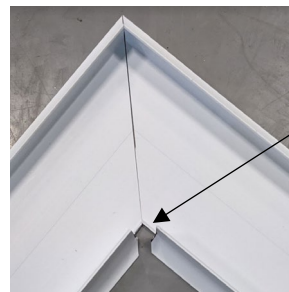
1. For rooms with a floor, the wall panels (identified 0612-XXXXX) can be installed in line with the attachment track system provided in the floor panels. Preferably start with a corner (previously assembled with another wall panel) in order to have a good alignment with the floor.
2. Continue assembling the remaining wall panels as shown in the installation assembly drawing.

## Walls installed directly on the floor

1. When the walls are not supported by floor panels, apply a silicone adhesive (supplied by Norbec Systems) to the floor as indicated on the installation guide provided with the room.
2. Install the screed on the adhesive, making sure that there is no empty space under the screed.
3. According to the detail, fasten the screed to the floor with the anchors indicated, following the spacing indicated.
4. Screed junctions must be filled with silicone to ensure air tightness. Cut screeds at a 45-degree angle at corners. The inside of the screed will need to be notched  $\frac{1}{2}$ " to accommodate the chamfer of the inside corners of the panels. Fill with silicone once the panels are installed.



Notch over  $\frac{1}{2}$ "



Silicone

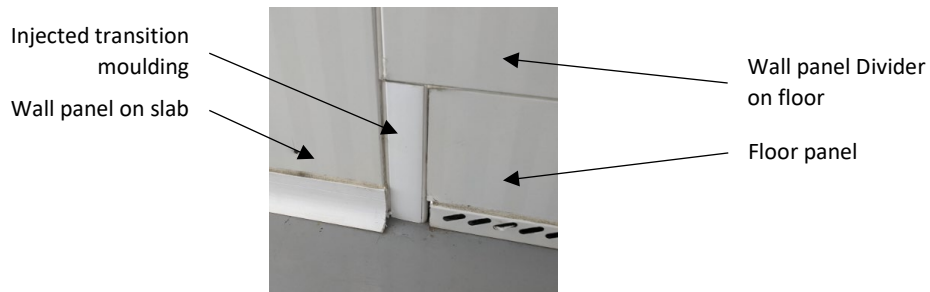
5. Position the panels, making sure that each panel is level or follows the same plan to ensure a better seal between the ceiling and the wall.
6. The alignment studs will ensure proper horizontal alignment of the wall panels.
7. If too much space is created in the screed, urethane must be sprayed to fill the void.

## Ceiling

1. Install ceiling panels (numbered 0613-XXXXX) following assembly drawing provided.
2. Tighten the camlocks fasteners between each ceiling panel and then adjust the alignment with the walls before locking the wall/ceiling connections.
3. The plastic alignment studs can also be used to facilitate the alignment.

## Finishing stage

1. Once all the panels are in place, tighten all the camlock fasteners.
2. Insert caps that hide the hook holes. Use white caps if the walls are white. Gray caps will be provided for panels with galvanized, stainless or aluminum finishes.
3. If the installation has two or more rooms (combos) and a divider wall separates a room with flooring from a room without flooring, you will notice (under the posts dividing walls) spaces to fill with the "injected transition moldings" (PVC blocks filled with polyurethane) of 1" x 5" x 4" provided with the shipping kit. Insert the block into this space and seal with the silicone provided.



4. Install the floor spacer trim moldings according to the details included in the installation drawing.
5. If necessary, install the foot pedals at the bottom of the doors according to the details included in the installation guide.
6. Install door frame bottom reinforcements according to the details included in the installation guide.

## Refrigeration

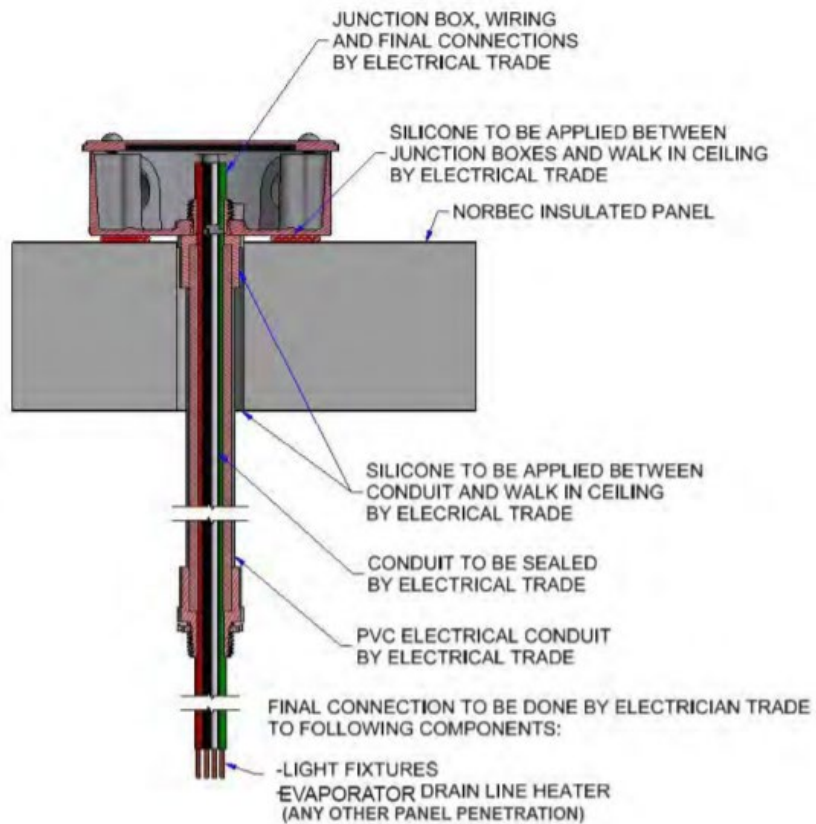
All types of refrigeration systems must be installed by a certified refrigeration specialist.

Once the installation is finished, complete the form titled: **Quality Control for Walk-In and Refrigeration Installation** and send it back as indicated.



## Electricity

1. A certified electrician must make the electrical connection(s) between walk-in and building electrical systems.
2. In case the lights are not installed, it is important to refer to the sealing details of the piercings (below). These details can be applied to most duct drills.
3. If an IM4 control module is provided, please refer to the Annex.



# **YOUR RESPONSIBILITY WHEN RECEIVING FREIGHT**

## **SAVE ALL DELIVERY RECEIPTS**

### **1 - STEPS TO TAKE AT TIME OF DELIVERY TO PROTECT AGAINST LOSS OR DAMAGE**

#### **A. VERIFY COUNT –**

Make sure you are receiving as many cartons as are listed on the delivery. If any shortage is discovered, note exactly how many cartons are short on the carrier's delivery receipt and have the driver note the shortage on your copy.

#### **B. CAREFULLY EXAMINE EACH CARTON FOR DAMAGE –**

If damage is visible, so note this fact on the delivery receipt and have the driver clearly note that fact on your copy. If carton has appearance that contents inside may possibly be damaged, insist that it be opened right at that time, and both you and the driver should make joint inspection of the contents. Any concealed damage discovered should like wise be noted on the delivery receipt and on your copy. Be sure to retain your copy.

#### **C. IMMEDIATELY AFTER DELIVERY, OPEN ALL CARTONS AND INSPECT FOR CONCEALED DAMAGE –**

Even though driver has already left, all cartons should immediately be opened and the contents inspected for possible concealed damage.

### **2 - STEPS TO TAKE WHEN VISIBLE OR CONCEALED DAMAGE IS DISCOVERED**

#### **A. RETAIN DAMAGED ITEMS –**

Not only must the damaged items be held at the point where received, but the containers and all inner packing materials must be held until an inspection is made by a carrier inspector.

#### **B. CALL CARRIER TO REPORT DAMAGE AND REQUEST INSPECTION –**

The call should be placed immediately upon discovery of the damage, but under no circumstances should it be put off longer than 15 days after delivery. Failure to report concealed damage within this 15 day period will almost certainly result in the carrier denying your claim.

#### **C. CONFIRM CALL IN WRITING –**

Although this is not a mandatory requirement, for your own protection in establishing the fact the carrier was notified within the 15 day period, we strongly recommend that all calls be confirmed in writing. Be sure to retain a copy of your letter.

### **3 - STEPS TO TAKE WHEN CARRIER MAKE INSPECTION OF DAMAGED ITEMS**

#### **A. HAVE DAMAGED ITEMS IN RECEIVING AREA –**

Make certain the damaged items have not been moved from the receiving area prior to discovery of the damage. Allow inspector to inspect damaged items, cartons, inner packing materials and freight bill. Be sure to retain your delivery receipt – it will be needed as a supporting document when claim is filed.

#### **B. AFTER INSPECTOR FILLS OUT INSPECTION REPORT, CAREFULLY –READ IT BEFORE SIGNING**

If you do not agree with any facts or conclusions made by the inspector on the report, do not sign it. Unless repairs will be completely satisfactory, be sure the inspector requests replacement **on the inspection report**. A new item can be ordered only if the inspection report specifies "REPLACE".

### **4 - STEPS TO TAKE AFTER INSPECTION HAS BEEN MADE**

#### **A. CONTINUE TO RETAIN DAMAGED MERCHANDISE –**

Even though inspection has been completed, damaged items cannot be used or disposed of without written permission from the carrier.

#### **B. DO NOT RETURN DAMAGED ITEMS TO SHIPPER –**

Return of such items should not be made without written authorization of the supplier.

#### **C. SECURE RECEIPT FROM CARRIER IF DAMAGED ITEMS ARE PICKED UP FOR SALVAGE –**

If your surrender damaged merchandise to a carrier for salvage because it is valueless to you, be sure to secure a receipt from the driver when it is picked up and retain that receipt.

