THERMOSTOP INC., 3775 Losch, Longueuil, Québec, Canada, J3Y 5T7, Tél. : (450) 678-8666, Fax. : (450) 678-7765

STANDARD SPECIFICATIONS
ARMATECH™
Section 08326: Cold Storage Doors

PART 1 – GENERAL

1.1 Works by others :
- Metal fabrication, section 05500
- Electrical power supply, division 16
- Structural work, division 5

1.2 Construction requirements :
- Design doors to withstand wind load of 21 psf (velocity of 90.5 miles/hour) with a maximum horizontal deflection of 1/120 of opening width
- Design doors to withstand a temperature range of -20°F to +120°F (-29°C to +49°C)

1.3 Shop drawing: Supply shop drawings in accordance with plans and specifications for approval. Contractor shall be responsible for job site dimensions before fabrication and co-ordination with others sub-trades.

1.4 Maintenance instructions: Supply maintenance instructions for hardware and/or others components in accordance section 01300.

1.5 Warranty: The Armatech door and hardware carry a warranty of one (1) year against any defect or faulty workmanship.

PART 2 - PRODUCT

2.1 Material :
- Extra heavy duty impact resistant thermoplastic composite skins
- Expanded polystyrene core
- Impact resistant polyvynilchloride protective cap

2.2 Reference product : Armatech™, as manufactured by **THERMOSTOP INC.**, 3775 Losch boulevard, Longueuil, (Québec), Canada, Tel.: 450-678-8666, Fax: 450-678-7765, www.thermostop.com

2.3 Dimensions and clearances :

Quantity	Dimensions (height x length)	Side clearances

2.4 Temperature range: -20° F to +120° F (-29° C to +49°C) for typical applications of

Cooler: 35 °F @ 40 °F / 2°C @ 5°C

Freezer: 32 °F @ -20 °F / 0°C @ -29°C

2.5 Size:

Up to 14'0" W. X 16'0" H. (4267mm W. X 4877mm H.)

2.6 Thickness:

4" (100mm) thick.

2.7 Panel manufacturing process: The inner core consists of water resistant expanded polystyrene foam core, pressure bonded between two skins of extra heavy duty impact resistant thermoplastic composite skins. To avoid mouldiness, no wood material is used in the construction of the panel.

2.8 Insulation: water resistant expanded polystyrene foam core. Insulation value is equal to R-4 per inch (25,4mm) thickness of insulated panel, R-16 for a 4" (100 mm) thick insulated panel.

2.9 Skins and finish: Extra heavy duty impact resistant thermoplastic composite skins. Panels have been successfully tested as per Missile Impact Test TAS 201 of the Florida (USA) Building Code. White color.

2.10 Single or biparting : Door can be single or bi-parting. Door panel framing is made of U-shaped extra heavy-duty impact resistant polyvinylchloride extrusions.

2.11 Face frame and back frame (optional): Vertical and horizontal face frame and/or back frame made of 3/4" water-resistant plywood in double layer, clad with white galvanized steel.

2.12 Heat trace (optional): For freezer applications, the door frame and panels are equipped with a heat trace to prevent ice or frost accumulation and to avoid the need of a heated threshold.

2.13 Window (optional): Sealed glass or acrylic glass 12” x 24” (305mm x 610mm) windows. Optional heated sealed glass for freezer application.

2.14 Seals: High quality airtight flexible PVC seal for the door frame and the door panels.

2.15 Hardware: The hardware consists of a heavy-duty double track system and trolley assembly roller systems. The trolley assembly stabilizes the movements of the panels at high speed and is equipped with solid tire rollers to support an intensive usage. The track system is slanted from center to both ends to ensure a tight seal and to reduce seal wear. All components are made of aluminum or galvanized steel, or are zinc-coated for food applications.

2.16 Break-away hardware features: The panel is hinged to the trolley assembly to allow the door to swing away from the wall upon impact. A guide system ensures the precise movement of the door panels at high speed while allowing it to break free upon impact.

2.17 Motor (optional):

- Brushless servomotor
- High speed operation: up to 48” (1220mm) per second at opening, 24” (610mm) per second at closing
- Dimensions: 11” x 41/4” x 41/4”
- Closed loop control system to ensure accurate motion profi le with changing loads
- Selectable input voltage, single or three phase: 115, 208, 230, 460 or 575V AC
- Programmable obstruction sensing
- Cycle counter
- LCD/Keypad display of system operation
- Electronic programmable clutch
- Electronic door lock protection
- Corrosion-resistant

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PART 3 - INSTALLATION

3.1 Ensure the sliding door is level and square. Install door and others components as per manufacturer's instructions and building code.

3.2 Co-ordinate receiving goods on site. The installer provides proper equipment and labour to receive the materials on site.

3.3 Work will be done by approved and licensed installer.

3.4 Keep site clean and remove all unnecessary materials as the work progresses.

3.5 Correct deficiencies diligently as requested by site supervisor.