CERTIFICATE OF ORIGIN

EXPORTER (Introduction Selfer-Revised and attents including 2g code) TBT INTERNATIONAL INC. 21 SABIN STREET PAWTUCKET, RHODE ISLAND 02860			0000MENT MUMBER CO-071020 977-96285276 EXPORT REFERENCES REF # NYFA-170110			
CAIRO, EGYPT						
SAME AS ABOVE	CONSIONES (Name a	nd addressly				
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ORBIGN PORT OF UNLOADING (Vessel & air selly)		PLACE OF DELIVERY BY ON-CARRIER	TYPE OF MOVE	CONTAINERNZED (Vesses Grey)		
MARKS AND HUMBERS	MUNIGR OF PACKAGES	DESCRIPTION OF COMMOD	AIR FREIGHT	OROSS WEIGHT MEASUREMENT		
Notar STATE	7/2010 MEMJIVAR VP Public OF TEXAS 2074224 at Not. 29, 2075	PC STC: FIRE ALARM SYSTE MADE IN MEXICO The Humbre Area Chamber of Contine laws of the State of Texas representation of the exporter a independent verification into to the and belief the above information.	nmarca recognized under Certifles in reliance of and not on the basis of he best of its knowledge on is true and correct.	486.00 Lbs 220.00 Kgs		
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7.4.1 An enclosure inspection shall not be required every 12 months if a documented administrative control program exists that addresses barrier integrity.

7.5* Maintenance.

- 7.5.1 These systems shall be maintained in full operating condition at all times. Actuation, impairment, and restoration of this protection shall be reported promptly to the authority having jurisdiction.
- 7.5.2 Any troubles or impairments shall be corrected in a timely manner consistent with the hazard protected.
- 7.5.3* Any penetrations made through the enclosure protected by the clean agent shall be sealed immediately. The method of sealing shall restore the original fire resistance rating of the enclosure.

7.6 Training.

- 7.6.1 All persons who could be expected to inspect, test, maintain, or operate fire extinguishing systems shall be trained and kept trained in the functions they are expected to perform.
- 7.6.2* Personnel working in an enclosure protected by a clean agent shall receive training regarding agent safety issues.

7.7* Approval of Installations.

7.7.1 General. The completed system shall be reviewed and tested by qualified personnel to meet the approval of the authority having jurisdiction. Only listed equipment and devices shall be used in the systems. To determine that the system has been properly installed and will function as specified, the following tests shall be performed.

7.7.2 Installation Acceptance.

- 7.7.2.1" The acceptance testing required by 7.7.1 shall be documented in a test report,
- 7.7.2.2 The acceptance test report shall be maintained by the system owner for the life of the system.
- 7.7.2.3 General. It shall be determined that the protected enclosure is in general conformance with the construction docu-

7.7.2.4 Review Mechanical Components.

- 7.7.2.4.1 The piping distribution system shall be inspected to determine that it is in compliance with the design and installation documents.
- 7.7.2.4.2 Nozzles and pipe size shall be in accordance with system drawings. Means of pipe size reduction and attitudes of tees shall be checked for conformance to the design.
- 7.7.2.4.3 Piping joints, discharge nozzles, and piping supports shall be securely fastened to prevent unacceptable vertical or lateral movement during discharge. Discharge nozzles shall be installed in such a manner that piping cannot become detached during discharge.
- 7.7.2.4.4 During assembly, the piping distribution system shall be inspected internally to detect the possibility of any oil or particulate matter soiling the hazard area or affecting the agent distribution due to a reduction in the effective nozzle
- 7.7.2.4.5 The discharge nozzle shall be oriented in such a manner that optimum agent dispersal can be effected.

- 7.7.2.4.6 If nozzle deflectors are installed, they shall be positioned to obtain maximum benefit.
- 7.7.2.4.7 The discharge nozzles, piping, and mounting brackets shall be installed in such a manner that they will not potentially cause injury to personnel. Agent shall not directly impinge on areas where personnel could be found in the normal work area. Agent shall not directly impinge on any loose objects or shelves, cabinet tops, or similar surfaces where loose objects could be present and become missiles.
- 7.7.2.4.8 All agent storage containers shall be properly located in accordance with an approved set of system drawings.
- 7.7.2.4.9 All containers and mounting brackets shall be fastened securely in accordance with the manufacturer's require-
- 7.7.2.4.19* If a discharge test is to be conducted, containers for the agent to be used shall be weighed before and after discharge. Fill weight of containers shall be verified by weighing or other approved methods. For inert gas clean agents, container pressure shall be recorded before and after dis-
- 7.7.2.4.11 Adequate quantity of agent to produce the desired specified concentration shall be provided. The actual room volumes shall be checked against those indicated on the system drawings to ensure the proper quantity of agent. Fan coastdown and damper closure time shall be taken into consideration.
- 7.7.2.4.12 The pipe system shall be pressure tested in a closed circuit using nitrogen or other dry gas.
- 7.7.2.4.12.1 The pipe shall be pressurized to at least 40 psi (276 kPa)
- 7.7.2.4.12.2 After removing the source of presenting gas, the pressure in the pipe shall not be less than 50 percent of the test pressure after 10 minutes.
- 7.7.2.4.12.3 The pressure test shall be permitted to be omitted if the total piping contains no more than one change in direction fitting between the storage container and the discharge nozzle and if all piping has been physically checked for tightness.
- 7.7.2.4.13* A flow test using nitrogen or an inert gas shall be performed on the piping network to verify that flow is continuous and that the piping and nozzles are unobstructed.
- 7.7.2.5* Review of Enclosure Integrity. All total flooding systems shall have the enclosure examined and tested to locate and then effectively seal any significant air leaks that could result in a failure of the enclosure to hold the specified agent concentration level for the specified holding period. Quantitative results shall be obtained and recorded to indicate that the specified agent concentration for the specified duration of protection is in compliance with Section 5.6, using an approved blower fan unit or other means as approved by the authority having jurisdiction. (For guidance, see Annex C.)

7.7.2.6 Review of Electrical Components.

7.7.2.6.1 All wiring systems shall be properly installed in compliance with local codes and the system drawings. Alternating current (ac) and direct current (dc) wiring shall not be combined in a common conduit or raceway unless properly shielded and grounded.

شهادات الاعتماد الخاصة بكابلات الانذار والمواسير <u>EMT</u>

Type Test Approvals

Management System & Product Approval Certificates Awarded by Egytech Cables - Elsewedy Cables

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