

Environmental Specialties An EMCOR Company

REVISIONS DESCRIPTION OF REVISION

NOTES

-40°C TO -80°C ± 5.0°C VOL. UNIFORMITY -20°C ± 5.0°C VOL. UNIFORMITY UNCONDITIONED ANTEROOM PRODUCT AT TEMPERATURE WHEN LOADED INTO FREEZER. NO PRODUCT LOAD

ASSUMED

127 FT2 PER SIDE 254 FT2 TOTAL 1,016 FT³ PER SIDE, 2,032 FT³ TOTAL AT 8'-0" (HEIGHT) OF STORAGE WATER-COOLED

L.T. FREEZER = 30 SECOND -20°C = 3 MINUTES (OPEN TO ANTEROOM) L.T. FREEZER = 3 MIN. (OPEN TO -20°C)

> INTERIOR/EXTERIOR = EMBOSSED GALVANIZED STEEL PRE-PAINTED WHITE 3'-0" WIDE X 7'-6" TALL (ANTEROOM) 3'-0" WIDE X 7'-6" TALL (-20°C CORRIDOR) 3'-6" WIDE X 8'-0" TALL (LOW TEMP STORAGE

OUTSIDE CHAMBER ONLY (4" PANELS) 600 LBS/SQ.FT. 15 LBS/SQ.FT. (5 LBS/SQ.FT. DEAD LOAD/ 10

LBS/SQ.FT. LIVE LOAD)

SYSTEM FOR -20°C AND LOW TEMP. FREEZER CHAMBERS. MAX. DISTANCE FROM SKID TO CHAMBER

NOT TO EXCEED 50' HORIZ./50' VERTICAL

-REDUNDANT) CONTROL PANELS: NEMA 4/12 (GRAY) LED LIGHTING

PERSON-IN-BOX: TIMED OCCUPANCY ALARM OF CORRIDOR EMERGENCY PUSH-BUTTON LOCATED IN THE

CORRIDOR AT THE DOOR LOCATION 16" A.F.F.

CUSTOMER TO SPECIFY NUMBER OF TIERS 8

TERTIARY BACKUP INCLUDES OXYGEN MONITOR INSIDE THE CORRIDOR AND AT THE LN2 VALVE RACK. CONTROL PANEL: NEMA 4X

UPS BACKUP: CONTROLS ONLY (20 MINUTE) EMERGENCY LIGHTING:

ALARM CONTACTS - FORM-C (N.C./N.0.)

 LOW TEMPERATURE DEVIATION HIGH TEMPERATURE LIMIT LOW TEMPERATURE LIMIT

 EVAPORATOR FAN FAILURE (SYSTEM '1') EVAPORATOR FAN FAILURE (SYSTEM '2') CONDENSER FAILURE (SYSTEM '1')

CONDENSER FAILURE (SYSTEM '2')
PERSONNEL/PERSON-IN-BOX ALARM

HIGH TEMPERATURE DEVIATION

HIGH TEMPERATURE LIMIT

1. THE MAXIMUM DESIGN NOISE LEVEL OF THE EQUIPMENT MAY

EXCEED 80 DBA, MEASURED AT 3'-0" AWAY. 2. REFRIGERANT RELIEF PIPING IF REQUIRED IS BY OTHERS.

3. CONDENSATE DRAIN CONNECTION TO BE WITHIN 10' OF THE

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THIS DRAWING IS TO BE USED IN CONJUNCTION WITH PROJECT SUBMITTAL TEXT FOR COMPLETE CHAMBER DETAILS

BAHNSON ENVIRONMENTAL SPEC

4412 TRYON RD. RALEIGH, NC 27606

SCALE: 3/8" = 1'-0"

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