

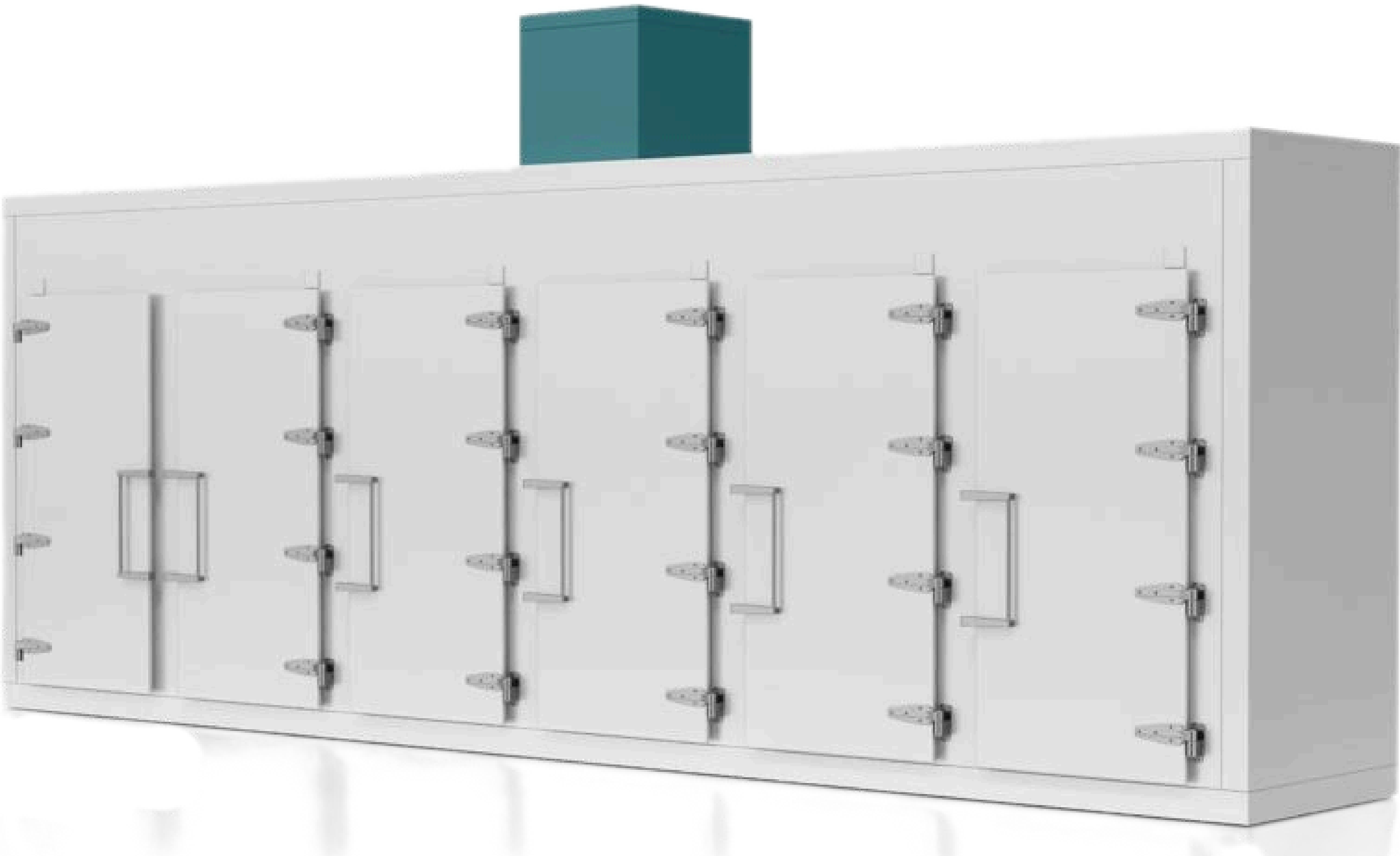
ES Herdman **ULT**

High-Capacity Ultra-Low Temperature Storage System

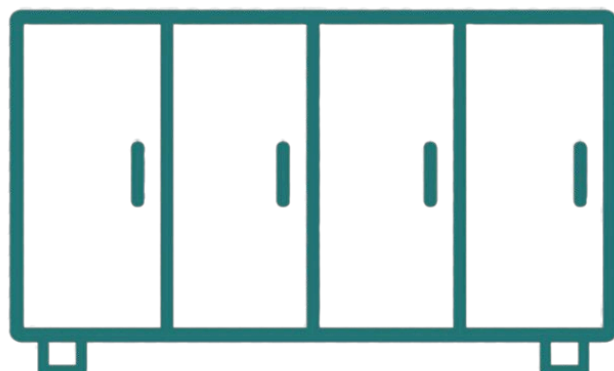
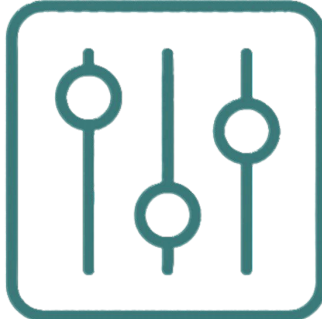
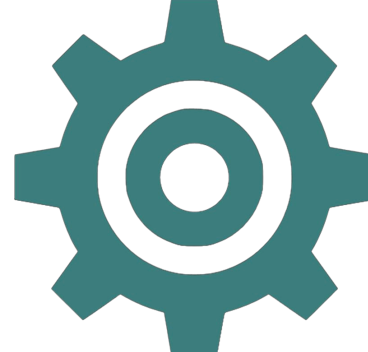
More Storage. Less Maintenance.

The ES Herdman ULT provides the same high-capacity ultra-low temperature storage as our traditional suites, delivering dependable product protection now in a flexible standalone design that can be installed within existing freezer room environments.

Engineered with fully redundant refrigeration, natural draft airflow, advanced controls, and OverShield® by Predictive Monitor®, it combines reliable temperature performance, simplified facility integration, and no moving parts, significantly reducing the cost of ownership.



WHY ES HERDMAN ULT?

HIGH-CAPACITY BULK STORAGE Large volume design maximizes storage density and operational efficiency. 	MODULAR EXPANSION CAPABILITY Add capacity as your facility grows without disrupting operations. 	REDUNDANT REFRIGERATION SYSTEMS A & B systems provide enhanced protection for critical inventory. 	LOW FROST OPERATION Minimizes frost buildup and preserves storage usability. 
DRAFT COOLING Convective airflow delivers consistent temperatures with proven reliability. 	ADVANCED CONTROLS Allen-Bradley CompactLogix platform for reliability, security, and scalability. 	SERVICE-FRIENDLY DESIGN Critical components are accessible outside of the storage environment. 	BUILT FOR FINISHED PRODUCT STORAGE Engineered for bulk storage of finished products and raw materials. 



PRODUCT SPECIFICATIONS

Temperature Range (Standard)	-40°C to -70°C
Temperature Uniformity	±4°C
Refrigerants (High and Low Stage)	R-744 (CO2) & R-508B
Cooling / Airflow Method	Convective / Natural Draft
Redundancy (Mechanical)	100% - A/Primary & B/Backup
OD (W x D x H)	30'-6" x 5'-3" x 11'
ID (W x D x H)	29'-6" x 4'-3" x 10'
Storage Capacity (Total)	1003 ft ³
Door Quantity	6
Weight (Total)	6,500 lbs
Ambient Conditions	≤-20C, <5% RH
Electrical Utilities Required (Per System)	460 V / 3 PH / 60 A
Dry Air Cooled Utility (Optional)	23 CFM @ -120°F dewpoint min.
Cooling Water Required (Per System); Air-cooled optional	9 GPM @ 45°F
Controls & User Interface	Allen-Bradley CompactLogix, PLC & 10" Touchscreen
Predictive Analytics & Diagnostics	OverShield by Predictive Monitor

ES HERDMAN ULT KEY FEATURES



High-Capacity Bulk Storage Platform



Convective Draft Technology



100% Refrigeration Redundancy



No Forced Air through Fans



24/7 Visibility with OverShield by Predictive Monitor



Low Heat of Rejection



Frost-free Operation



Service Components



Factory Built & Tested

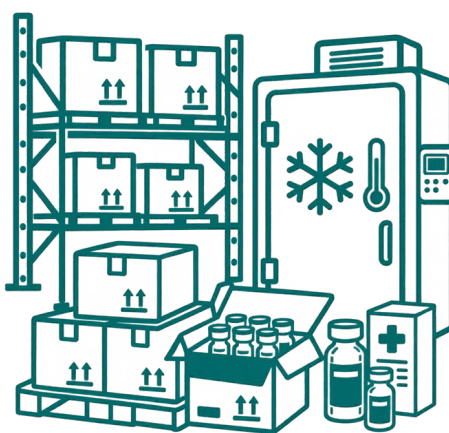
BUILT FOR CRITICAL APPLICATIONS



Biobanking



Pharmaceutical Manufacturing



Finished Product Storage



Clinical Distribution



Cell & Gene Therapy



Bulk Material Storage

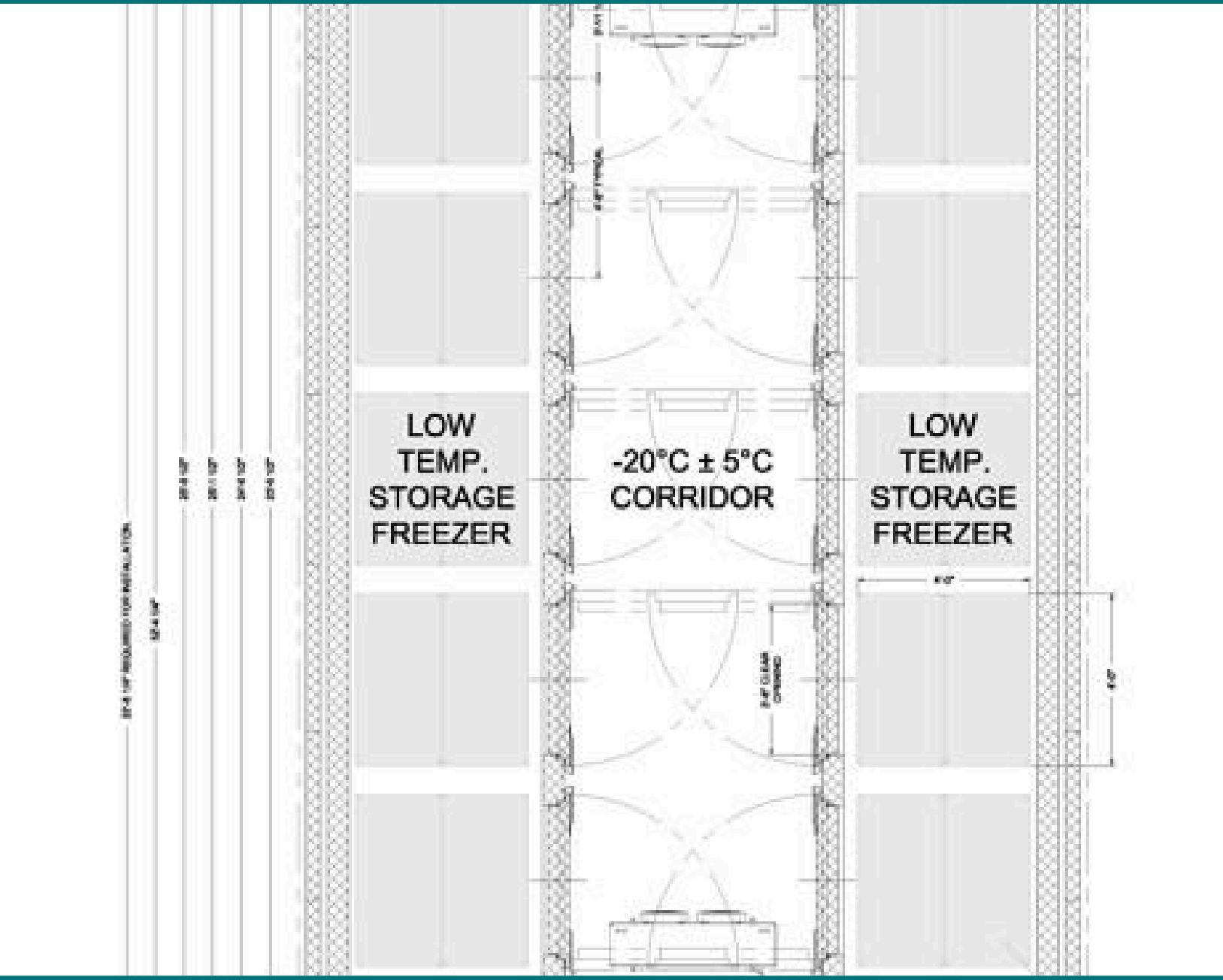
ULT PRODUCT FAMILY



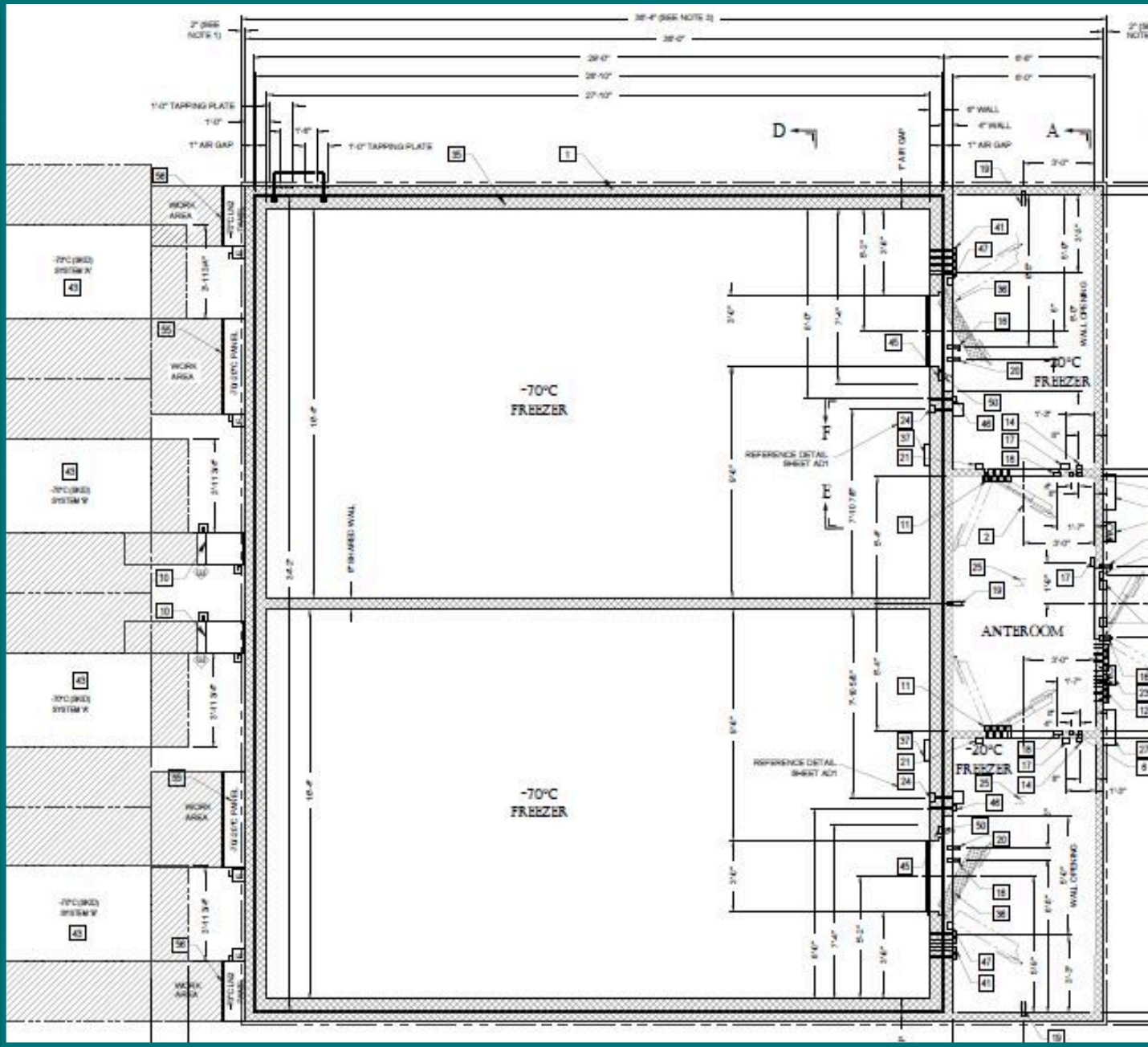
ES POWERCORE ULT



ES MULTICORE ULT



ULTRA-LOW SUITES



-70°C/-80°C
OPEN ROOM

