

# Pharmaceutical Stability Facility Expansion at North Kansas City Facility

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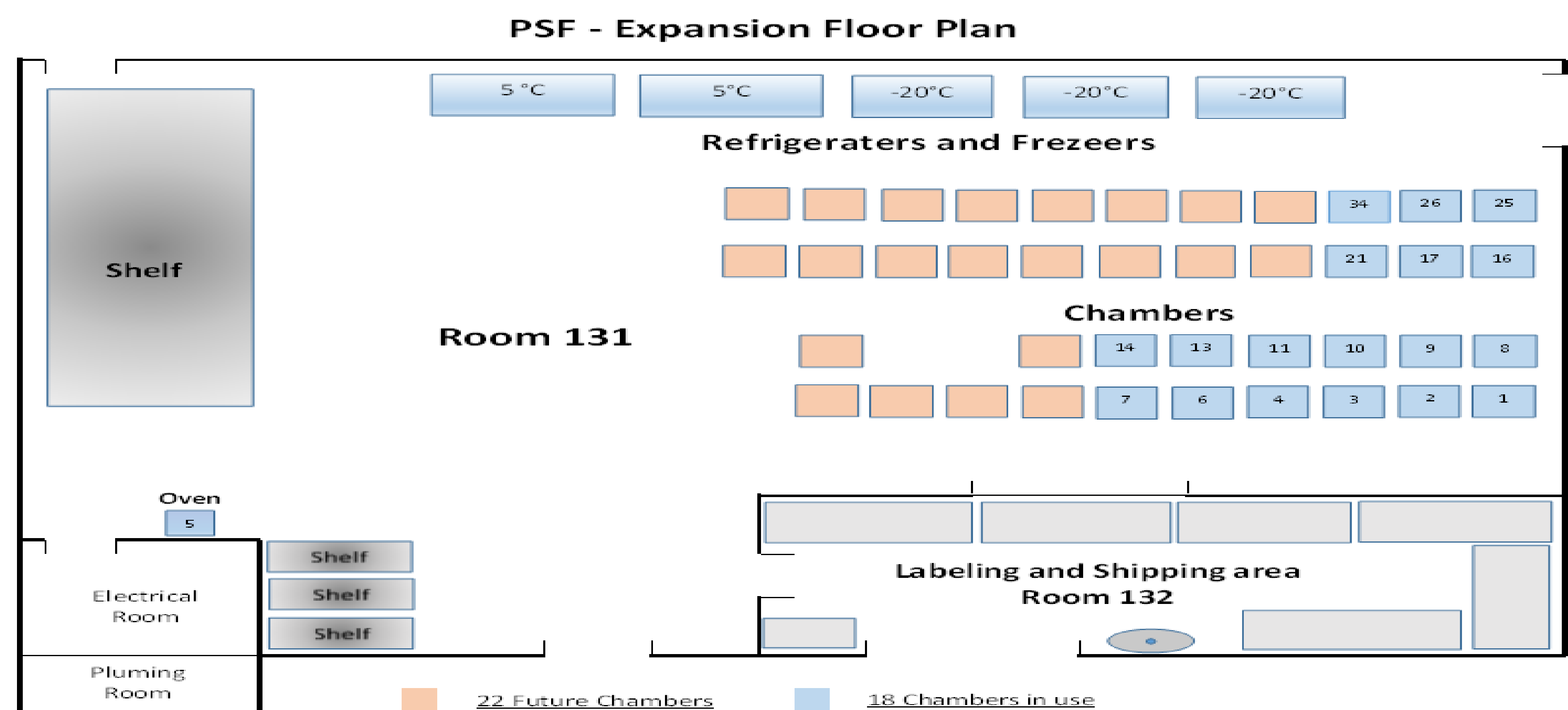


## The Pharmaceutical Stability Facility Located at North Kansas City

The Pharmaceutical Stability Facility, located at MRIGlobal's North Kansas City location, is used to store stability study samples for drugs that are under development or for finished pharmaceuticals that are enrolled in on-going stability studies. MRIGlobal's stability facility, commonly called the PSF, was established in 2014 and started with one stability chamber, one refrigerator, and one freezer. Over the last decade, the PSF has expanded to serve many commercial and government clients who rely on the PSF to support complex multi-storage temperature studies, or multi-storage temperature/humidity studies. As a result of its continuous growth, it was determined in 2020 that the PSF was in need of expansion. Funding for the expansion was secured through MRIGlobal's "Invest to Grow" program and work began in July 2021. The original footprint of the PSF was 975 sq. ft., it has now been expanded to 3500 sq. ft. and includes not only room for existing storage chambers but also includes enough space for continued expansion.

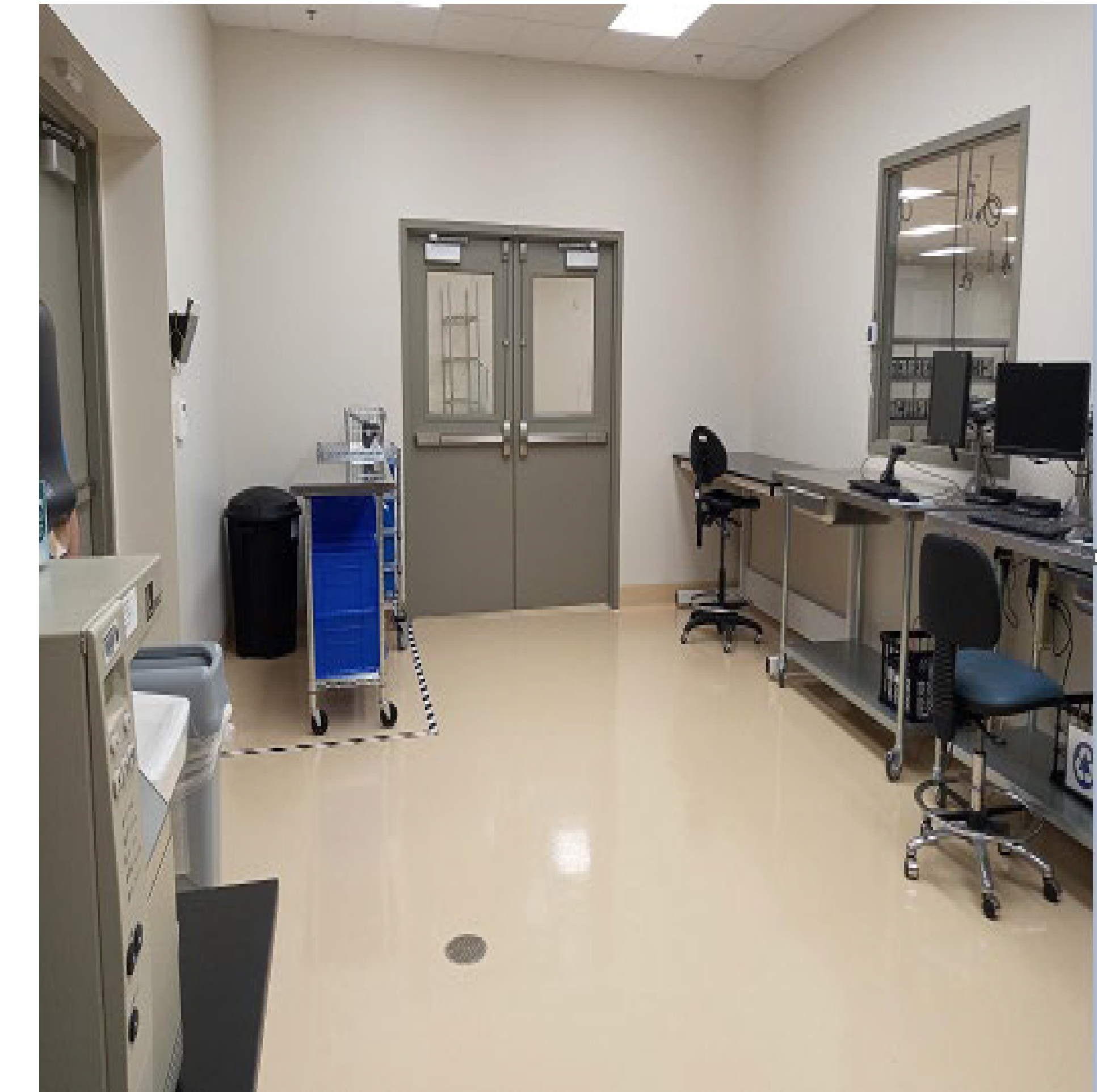
## Once the Expansion is Completed-The Final Picture

The expansion project, once complete, will have the capacity to house an additional 22 chambers, for a total capacity of 40 chambers that span all possible storage condition needs, to include Refrigerated (+2°C to +8°C), Frozen ( $\leq -20^{\circ}\text{C}$ ), Ultra Cold ( $\leq -80^{\circ}\text{C}$ ), or Climate Controlled (25°C/60%Relative Humidity [RH], 35°C/60%RH, 40°C/75%RH), and also includes an oven for controlled degradation studies. The stability chambers are also programmable to provide customized storage conditions to meet any study requirements that a client may have. Additionally, the entire 3500 sq. ft. is designed and tested to ensure it maintains Controlled Room Temperature of +20°C to +25°C to allow for stability study conditions to be provided on large open shelving areas. With the expansion efforts nearing completion, MRIGlobal can ensure continued support for any stability testing needs.



## During the Expansion-The Continuing Process

The new construction build features smooth epoxy floors, expanded electrical capacity, large service doors, strategically placed drains, and drop-in water lines for humidity control chambers. A new water purification system that controls feed water for the stability chambers was added with the enhanced features of 24/7 remote monitoring and real-time alert notifications. A new shipping and labeling area was created to provide dedicated workstations in the PSF. The PSF build-out portion of the construction was completed at the end of September 2021. Since the completion of the construction, now comes the laborious task of moving all of the storage chambers from the old facility to the new facility. Since each chamber is used to store drugs that are under strict study controls, all samples have to be transferred to an identical storage condition chamber, the original chamber is moved to the new area, then the interior of the chamber must be tested to ensure the move did not compromise any of the functionality of the chamber. Once the chamber testing is complete, the samples can be moved back to the original chamber and the process starts again with the next chamber that needs to be moved. The chamber moving process is currently underway for the PSF's existing 18 storage chambers.



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