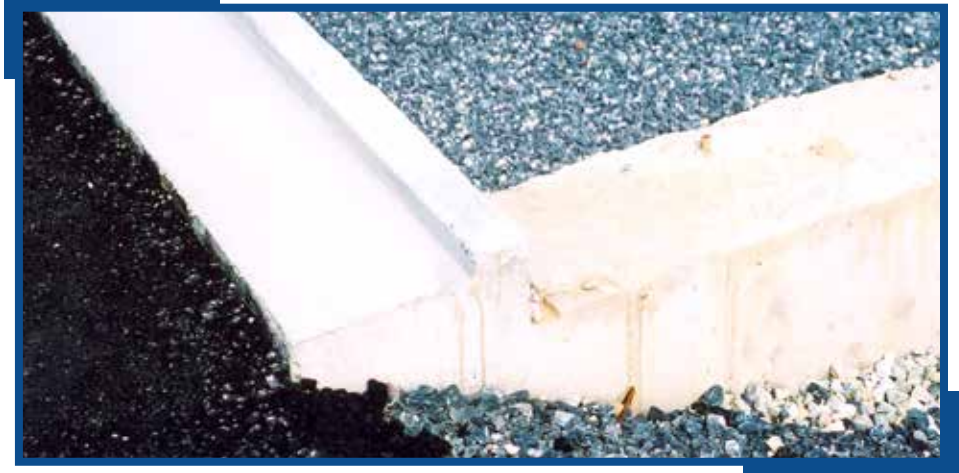




## Two Story Into a Hill Self-Storage System

Notch is shown on a 12" poured concrete retaining wall, which was waterproofed prior to backfilling this two-story building.



A galvanized stud wall is assembled and a 20-gauge metal floor deck is installed on top of the stud wall.

If the building has an interior corridor, a header system is used to carry the floor load.



## Multi-Story Into Hill

Galvanized stud wall with a 20-gauge floor deck to accept concrete by others.



The long-span metal floor deck is ready to pour.

Wire mesh is laid over the floor deck and standard weight concrete is poured. The concrete is held in place by the 12-gauge pour stop. Concrete is leveled to the height of the pour stop.





Some municipalities require a protective fence on one side and end walls before pouring the floor. All the firewalls should be installed and framed out for the corridor before installing steel for the second floor.



The second floor structure is installed on the cured slab.

The view of the second floor structure of the two-story building from the ground floor.



## Multi-Story Into Hill

60' wide two-story building built-into-a-hill. With a building this wide, it is possible the driveway will climb the 8'8" in elevation change to have access on the top floor.



This site does not allow access on both sides of the building until the drive is level with each unit. The city only allowed a 7% grade so it took more driveway to get to the 10'8" grade change.

Two two-story buildings demonstrate how to accomplish a 20' grade change via driveway placement.





The office is incorporated into the lower section of the building. The building has a brick facade and mansards to satisfy the city's planning board.



To overcome both large grading issues and architectural concerns by the city, the owner utilized two buildings with a 3":12" pitch.

This building is entirely climate controlled. All units are accessed from interior hallways.



## Multi-Story Into Hill

The building has a 3:12 roof pitch and is entirely clad in efis. This total climate controlled building has awnings to cover the entry ways.



For this building, a driveway is provided on only one side only. The building incorporates cupolas on the roof.

The two-story into a hill system works well for climate control buildings. The lower level is already below grade so it will be efficient to heat and cool.





Block Perimeter two-story built-into-a-hill with metal panels on end and side walls.



This site was maximized by building three two-stories into a hill to overcome its 30' change in elevation.

Three two-story buildings into a hill achieve a 30' grade change.

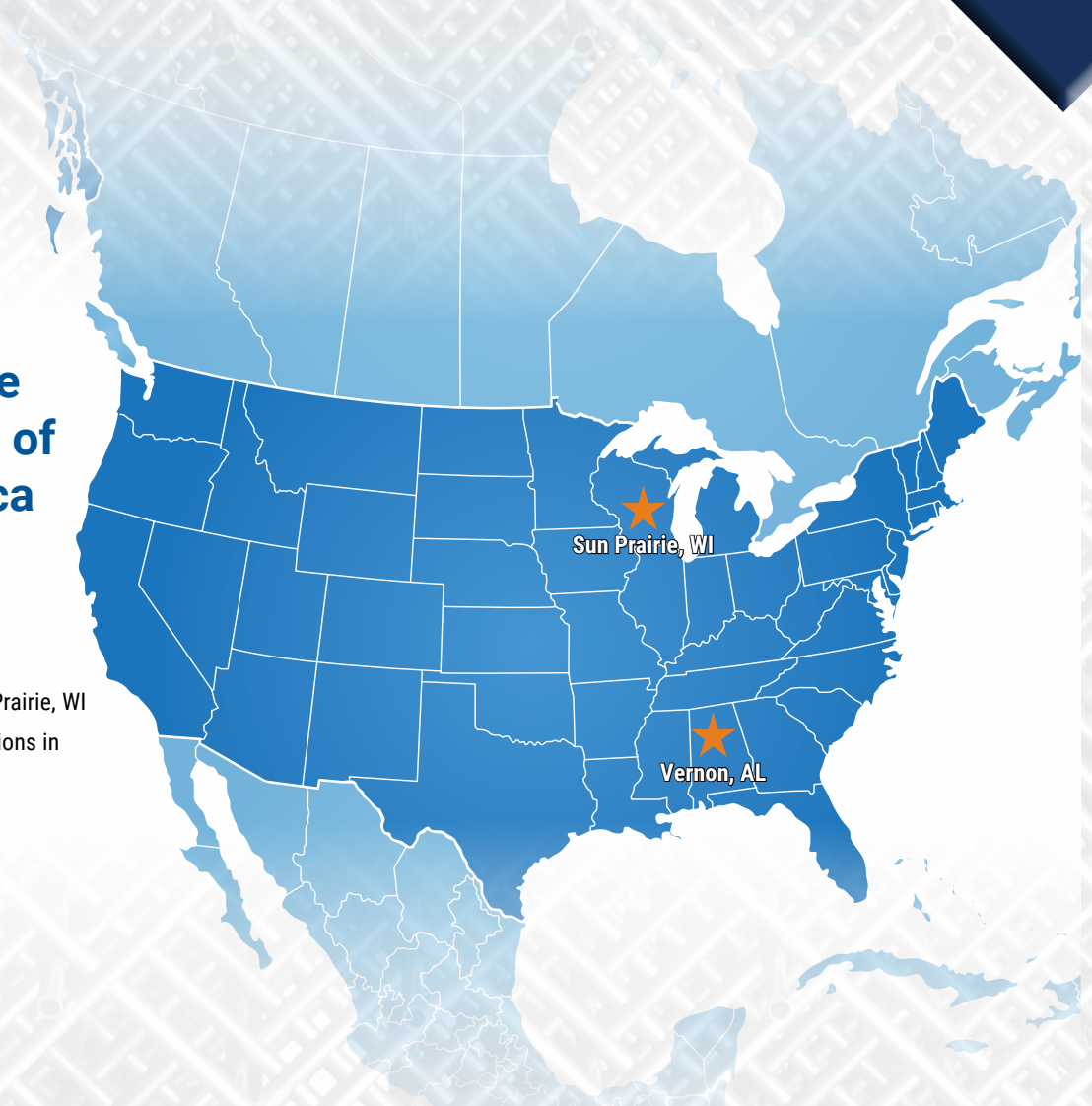




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