

20205 BUILDING ADDITION

UPI MANUFACTURING, EAGLE, WI

This project is a 9,000 sq ft metal building addition for UPI Manufacturing that replaces an existing asphalt area on the site, converting impervious pavement into enclosed, conditioned floor space. The site work modifies the existing parking and yard areas, adjusts grading around the new footprint, and ties into existing utilities and drainage infrastructure so overall runoff patterns remain controlled.

Overall project summary

- Occupancy is F-2 low-hazard factory (metal parts assembly) with a total facility area of about 23,000 sq ft after the addition, using Type IIB, non-sprinklered construction and a metal building structural system.
- Building envelope is designed to meet 2025 WCBC/2021 IBC and IECC 2021 / ASHRAE 90.1 requirements, with insulated metal roof and wall assemblies replacing open or paved yard space.

Erosion and sediment control focus

- Because construction disturbs existing asphalt and subgrade, temporary erosion controls are required around the work limits to prevent sediment from leaving the site during demolition, excavation, and utility work; this typically includes perimeter silt fence, inlet protection, and stabilized construction access at designated entry points.
- Grading and storm design direct runoff away from the new building and toward existing drainage facilities, so disturbed areas are quickly re-stabilized with pavement, or vegetation to minimize exposed soil duration and reduce sediment transport to adjoining properties.