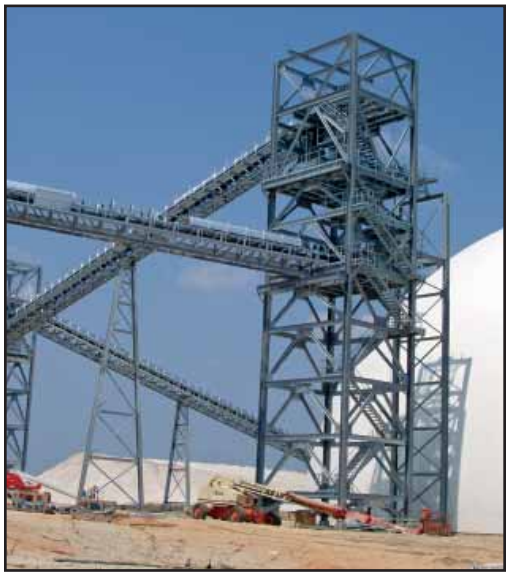
National Gypsum

Mount Holly, North Carolina

National Gypsum's Mount Holly plant is a $125 million high-speed wallboard manufacturing facility that recycles waste material rather than sending it to landfills. In keeping with the "green" spirit of recycling waste material, galvaned steel prevents the waste and expense of corrosion maintenance and repair, and is also recyclable; thus making it an environmentally friendly choice for this massive project.



As is often the case, the initial cost and life-cycle cost of galvanizing the 3,461 tons of steel, including beams, columns, channel, angels, plates, connection details, roof trusses and joists, girts and purlins, embeds and more, offered superior economics when compared to painted steel. The entire structure (with the exception of the outer skin of the building) is hot-dip galvanized for corrosion protection - a necessary requirement to withstand the damaging effects of an industrial environment.

A fast-track erection schedule allowed only one week from delivery by the fabricator to the galvanizer and delivery to the site. Because galvanizing is a factory-controlled process and can be completed independent of weather, the galvanizer was quickly able to turnaround the material, which was fabricated and erected in sequences. The galvanizer worked closely with the fabricator and the joist manufacturer to design the structural pieces in lengths that could be single or progressively dipped successfully. The sustainable, protective, and efficient galvanizing process will provide National Gypsum with a maintenance-free structure for many generations.

Specifier
National Gypsum

Architect
Merriman/Schmitt Architects

Engineer
Walker Engineering