

L.B. Foster Provides Piling for New Multi-Story Bus Depot

Metropolitan Transportation Authority and New York City Transit have approved the construction of a new bus depot on Staten Island, which when finished, will have space to service and maintain 200 or more buses. This multi-level building required the structural stability that is provided by a Combi-Wall system. L.B. Foster worked closely with local contractor Tully Construction Co. Inc. during the early stages of this project.

Various types of piles were utilized to create this Combi-Wall structure. Several strategic supply partners of L.B. Foster participated to provide approximately 1,377 net tons of beams along with 837 net tons of PZC™-13, produced by supplier Gerdau Ameristeel. To connect the sheets to the beams approximately 15,000 LF of PilePro Connectors were used.

Combi-Wall System

Combi-wall systems use beams or pipe in combination with Z sheet piles. Steel Sheet Pile can be supplied in shorter lengths to act simply as a barrier for the soils or grade separation that is being constructed. The shorter sheets result in an overall reduction in steel required as well as less driving time. L.B. Foster utilizes the "Wider, Lighter, Stronger" PZC sections produced by Gerdau Ameristeel which enable wider spacing of the King Pile due to the laying width of the efficient PZC sections, therefore requiring less installation time.

(PZC™ is a trademark of Gerdau Ameristeel.)



PZC-13 steel sheet piles driven with wide flange beams and extruded connectors



Elevated view shows construction of the foundation for the interior wall