

NATIONAL WINNER

\$100 million and greater



McNamara Terminal at the NorthWest World Gateway

Detroit, MI

JURORS' COMMENTS

This structural system used to cover such a large open space echoes the long-span train sheds of Europe, such as the Gare de Lyons in Paris.

Located within the Detroit Metropolitan Airport, the McNamara Terminal at the NorthWest WorldGateway has transformed the current airport into one of the nation's premier hubs. The 2.0 million sq. ft. terminal complex is surrounded by six active runways and taxiways. The Terminal Building consists of a terminal, connecting link, east concourse (Concourse A-up to 135' wide and nearly one mile long), passenger tunnel and west concourse (Concourses B and C).

A steel joist and king post truss system provide support for the 650,000

sq. ft. roof. This framing system creates wide-open, column-free spaces that not only facilitate passenger movement within the building but also enhance the building's future flexibility. The king post trusses form the lateral-force-resisting system, eliminating the need for bracing and further increasing flexibility of the interior space. The king post truss roof system is continued through the connecting link between the Terminal Building and the East Concourse providing a large open space with a lively mall atmosphere. Steel framed glass walls provide natural light.



JURORS' COMMENTS

Refreshingly light-weight sensation through the use of ensile elements in combination with natural light. Dynamic roof forms.

STRUCTURAL ENGINEER

Smith Group, Detroit, MI

ARCHITECT

Smith Group, Detroit, MI

STEEL FABRICATOR

Havens Steel Company
(AISC member), Kansas City, MO

STEEL ERECTOR

National Riggers & Erectors, Inc.
(AISC & NEA members), Plymouth, MI

STEEL DETAILER

Havens Steel Company
(AISC member), Kansas City, MO

GENERAL CONTRACTOR

Hunt Construction Group,
Romulus, MI

DESIGN SOFTWARE

RAM Structural System, STAAD

DETAILING SOFTWARE

SDS/2, MicroStation, AutoCAD