

## Norgas Training College

Newcastle-upon-Tyne  
for Northern Gas Board

### ARCHITECTS

Ryder and Yates and Partners

### STRUCTURAL ENGINEERS

Ryder and Yates and Partners

### STEELWORK CONTRACTORS

Robert Frazer & Sons Ltd.

## Judges' Comments

A good example of the effective and economic use of steel in a single-storey modern building. Pleasing appearance is achieved by the use of external steel features in chimneys, screens, colonnades and gates.

This training centre has been built for the personnel concerned with the conversion of existing installations from town to natural gas. The centre consists of workshops, lecture-rooms, simulated site conditions in the open and under cover and ancillary buildings. The building is designed to permit the addition of a further floor at a later date. The new floor would be laid on top of the existing roof without major modifications being required.

Rectangular hollow sections are used for the main columns with solid bar extensions at the base; these are exposed together with an 8in x 8in RHS lintel beam. RHS stanchions are also used in the Training Compound where they support a roof built in the 'Unibat' space-frame system.

Apart from its economy steel was chosen for these buildings because they are situated over old colliery workings and there is a possibility of movement taking place. The frames can easily receive remedial action should this prove necessary, and modifications could be made without undue difficulty. The exposed columns ensured that movement would not be transmitted to the ground floor and in addition avoided any need for having fire protection.

*Opposite: The clean lines of the entrance foyer are shown in this view.*

*Right: Outdoor training takes place in this compound. The roof is in the Unibat space-frame system.*

*Below: General view with lecture rooms and offices on right and training compound on left.*





