

Pierce McGann & Company

Consulting Structural | Civil Engineers

Unit 23, Trinity Technology & Enterprise Campus
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Effective Design Solutions

22 Barrington St
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Projects

Commonwealth Law Courts, Brisbane.

Client: Queensland Government.

12 Courts and ancillary areas for,

- Supreme Court
- High Court
- Administrative Appeals Court.
- Children's Court.

Construction Cost: AUS\$ 110M

Structural Engineer for the Building Contractor.

Role: Temporary Works Design, for all aspects for the construction process.

Large & deep bored concrete piles, due to the building's proximity to the Brisbane River.

Polished Pre-cast Concrete façade panels. Reinforced concrete superstructure.

Commercial Development at 150 George Street, Parramatta, NSW, Australia.

Client: State Bank of NSW, Australia.

24 Storey Building.

Post Tensioned Concrete Structure. Aluminium cladding façade. Piled foundations due to the buildings proximity to the Parramatta River.

Construction Cost: AUS\$52M

Structural Engineer for the Building Contractor.

Role: Temporary Works Design, for all aspects for the construction process.

Barna Waste Disposal, Carrowbrowne, Headford Road, Galway, Ireland.

Waste facility for the handling of domestic and commercial waste for the West of Ireland.

Client: Barna Waste Teo.

Piled Structure due the presence of marl, and organic material in the substructure. Height to eaves

11m. All structural steel was galvanised due to the toxic nature of the activities internally.

Construction Cost: €14M

Role: Design Development and the structural design of the foundations and superstructure from concept stage to construction.

Watch House Shopping Centre, Moyross, Limerick.

Client: Aviary Estates Ltd.

Construction Cost: €14M

Role: Design Development and the structural design of the foundations and superstructure from concept stage to construction.

Piled Structure due to the soft sandy clays and variable tidal water table.

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Abbey Court Apartment & Commercial Development.

Mary Street & Northern Relief Road, Limerick.

Client: Solidstone Developments Ltd.

Construction Cost: €7M

Role: Design Development and the structural design of the foundations and superstructure from concept stage to construction.

Bolger Engineering Factory, Smithstown Industrial Estate, Shannon, County Clare.

Client: Bolger Engineering.

Construction Cost: € 6.5M

Role: Design Development and the structural design of the foundations and superstructure from concept stage to construction.

Major Design Issues: Foundations on Limestone rock of various depths. Steel framed Building, Roof Span of 35m.

Limerick Motor Centre Commercial Building.

Client: Limerick Motors.

Construction Cost: € 4M

Role: Design Development and the structural design of the foundations and superstructure from concept stage to construction.

Piled Foundations due to existence of very soft sandy clays. Friction pile design due to very deep deposit of soft sandy clays.

Steel framed building and cladding envelope.

Ennis Road Motors Development, Ennis Road, Limerick.

Client: Ennis Road Motors.

Construction Cost: € 3.5M

Role: Design Development and the structural design of the foundations and superstructure from concept stage to construction.

Structural design had added restraint of very limited permissible movement due to the extent of the planar glazing surrounding the building.

Side and roof cladding.

Alcohol Distillation Building for Carbery Foods, Ballineen, County Cork.

Client: Carbery foods Ltd.

Construction Cost: € 3.5M

Height to eaves 11m, Roof and side insulated cladding.

Role: Design Development and the structural design of the foundations and superstructure from concept stage to construction.

Pierce McGann & Company Limited. Registered in Ireland. Registration No.: 272000. Registered Office: 22 Barrington St, Limerick.

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Parkview Hall Student Accommodation.

Client: Parkview Hall.

Construction Cost: € 8M

Three blocks of student accommodation, 250 beds.

Major Design Features: Brickwork load bearing construction on rock. Precast wide slab concrete floors.

Role: Design Development and the structural design of the foundations and superstructure from concept stage to construction.

Annacotty Mills & Apartment Development, Annacotty, County Limerick.

Client: Kenny Developers.

Construction Cost: € 20m.

Restoration of 200 year old limestone Mill, and incorporating Mill into Restaurant / Bar development. The restoration incorporated a new steel internal support frame and timber flooring.

Major Design Features: The apartment development incorporated a concrete frame, brick façade and was founded on precast driven piles.

Role: Design Development and the structural design of the foundations and superstructure from concept stage to construction.

Harbourview Development, Killaloe, County Clare.

Client: John Joyce Developments Ltd.

Construction Cost: € 3.5M

Development consisted of a concrete framed structure, with precast composite flooring and founded on precast driven piles with an average depth of 12m. End Bearing was in gravel. Ground beside the development abutting the Shannon River was retained using sheet piling as a permanent feature, with a pathway over to hide the sheet piles from view.

Role: Design Development and the structural design of the foundations and superstructure from concept stage to construction.

Castleoaks House Hotel & Holiday Homes, Castleconnell, County Limerick.

Hotel Extension incorporating a new Bedroom Block over kitchens, New Hotel apartments and Holiday Homes.

Client: Castleoaks Hotel Development Ltd.

Construction Cost: € 10M.

Role: Design Development and the structural design of the foundations and superstructure from concept stage to construction.

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Client: Carbery foods Ltd.

Construction Cost: € 3.5M

Height to eaves 11m, Roof and side insulated cladding.

Role: Design Development and the structural design of the foundations and superstructure from concept stage to construction.

Abbey Court Hotel, Dublin Road, Nenagh, County Tipperary.

Client: Abbey Court Hotel Development Ltd.

Construction Cost: € 16M.

Role: Design Development and the structural design of the foundations and superstructure from concept stage to construction.

The development incorporated a total reconstruction of the hotel. A steel framed structure was used as a means to expedite the construction process. The development was founded on precast piles, and where the piles were designed as friction piles due to the depth of the soft marine silty clays encountered.

New Storage and Manufacturing Facility at PAXXUS TEO (formally EUROFOIL), Baile Bhuirne, Co Corcaigh.

Client: Eurofoil.

Construction Cost: € 4M

Role: Design Development and the structural design of the foundations and superstructure from concept stage to construction.

The development incorporated 44m span steel portal frames. The height restrictions prevented the use of steel trusses. The use of Portal Frames allowed for the maximum usage of the internal height with this building. Variable ground Water levels were also a factor in designing the drainage systems