

Cork City Council - CORK



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CORK CITY COUNCIL

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ESB RETAIL SHOP

Academy Street



Date Of Survey: 19th November 2003

Surveyors Name: Marianne Keane
Photographer: Marianne Keane
Field Controller: Peter Carroll
O.S. Ref: 6382/10 ESB Ref: CC-SS-6382/10

Architectural Heritage Evaluation:

Record Only
Local
District
Regional
National
International

Categories of Special Interest:

Archaeological (AG)
Architectural (A)
Artistic (AR)
Cultural (C)
Historical (H)
Scientific (SC)
Social (SO)
Technical (T)



19th Nov 2003



19th Nov 2003

Summary

The property comprises a single ground floor unit in a two-storey building adjoining a three-storey period building located in a commercial zone in the heart of Cork City next to other retail premises in a dense urban fabric.

Located in Cork City, Academy Street lies between Patrick Street and Emmet Place, and is situated in the middle of a terrace and adjoins three and four-storey properties on either side. The unit does not occupy the entire ground floor of the building, and is adjoined by other retail premises.

The showroom runs the depth of the main part of the building and is three bays deep. The canopy on the front elevation overhangs the footpath. The floor is of cast in-situ concrete and the roof is of cut timber pitched construction. The building has a concrete framed structure.

The front elevation consists of floor to ceiling glazing surrounded by smooth plastered block. The glazed shopfront is set in an aluminium frame and large PVC windows provide natural light to the first floor. The parapet to the front elevation incorporates an attractive cornice detail.

The total area of the site is 0.084ha (0.21 acres).

Special Feature – Architectural

There are attractive pedimented end bays with feature window and balconies. A decorative dentillated cornice parapet detail extends the full width of the front elevation linking both of the end bays.

Description & Materials

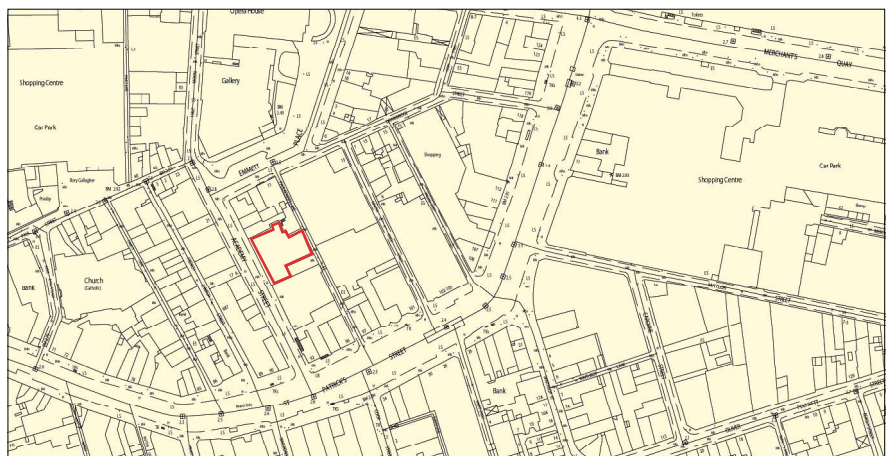
The present use of the entire property is as ESB offices and showrooms. The building is symmetrical in elevation with 16 bays including two pedimented end bays. The large sales area is at the front of the unit with the cash desk to the side with offices and staff facilities to the rear, and a service yard beyond which opens out onto a rear lane. The showroom is entered from the street through two sets of double doors. The gross floor area of the unit is 692m².



19th Nov 2003



19th Nov 2003



1. View of Front Elevation from Academy Street. 2. Interior of Showroom. 3. Rear Elevation and Car Parking. 4. Shop Entrance.



12th Jan 2004

Surveyors Name: Marianne Keane
 Photographer: Marianne Keane
 Field Controller: Peter Carroll
 O.S. Ref: 6384/B ESB Ref: CC-ECB-6384/B

Architectural Heritage Evaluation:

Record Only	
Local	✓
District	
Regional	
National	
International	

Categories of Special Interest:

Archaeological (AG)	
Architectural (A)	
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Cultural (C)	
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ESB OFFICE BUILDING

Unit 9, Eastgate Business Park

Date Of Survey: 12th January 2004



Summary

The property is a detached flat roofed two-storey office building located in a large business park on the outskirts of Cork City.

The building is situated next to similar buildings in a largely commercial and industrial area.

The property was built in 2001.

Description & Materials

The property consists of a first floor office unit in the two-storey building and is occupied by ESB International. The building is square in plan and composed of five bays with stairwell towers on either side of the main entrance.

A car park is located in front of the building, and this is separated from the road by a landscaped grass verge and footpath.

Structurally the building consists of a steel frame supporting precast concrete floors and a flat roof. The windows are large aluminium glazed units.

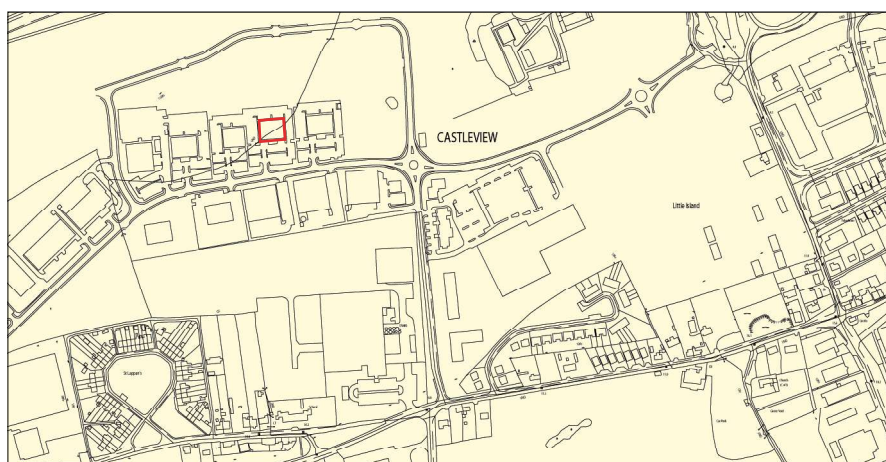
The office space is mainly open-plan. The building is clad with insulated metal panels and feature reconstituted stone to the stairwell towers.



12th Jan 2004



12th Jan 2004



12th Jan 2004

1. View of Main Entrance. 2. View of Eastgate Business Park. 3. Interior Office Accommodation. 4. Interior Office Accommodation.

PITCH & PUTT CLUB

Half Moon Lane,
Douglas



Date Of Survey: 2nd March 2004

Surveyors Name: Marianne Keane
Photographer: Marianne Keane
Field Controller: Peter Carroll
O.S. Ref: 1606 ESB Ref: CC-SS-1606

Architectural Heritage Evaluation:

Record Only	✓
Local	
District	
Regional	
National	
International	

Categories of Special Interest:

Archaeological (AG)	
Architectural (A)	
Artistic (AR)	
Cultural (C)	
Historical (H)	
Scientific (SC)	
Social (SO)	✓
Technical (T)	



2nd March 2004

Summary

The property consists of a detached single storey pitched roofed building located at the edge of a pitch & putt course.

The property is situated on the outskirts of Cork City near Douglas and was constructed in 1984.

Description & Materials

The property comprises a small clubhouse, car park and pitch & putt course. The club house is located at the front of the site next to the car park. It comprises a small office, toilets and changing rooms. The terrain is largely flat and is landscaped and well maintained. There is a planted area between the car park and the building.

The club house is of simple construction and consists of two-leaf blockwork construction supporting an asymmetrical pitched roof supported on timber trusses. Windows are PVC and are protected externally by wire mesh cages. The external surface consists of blue painted smooth plaster render to blockwork.

Special Interest - Social

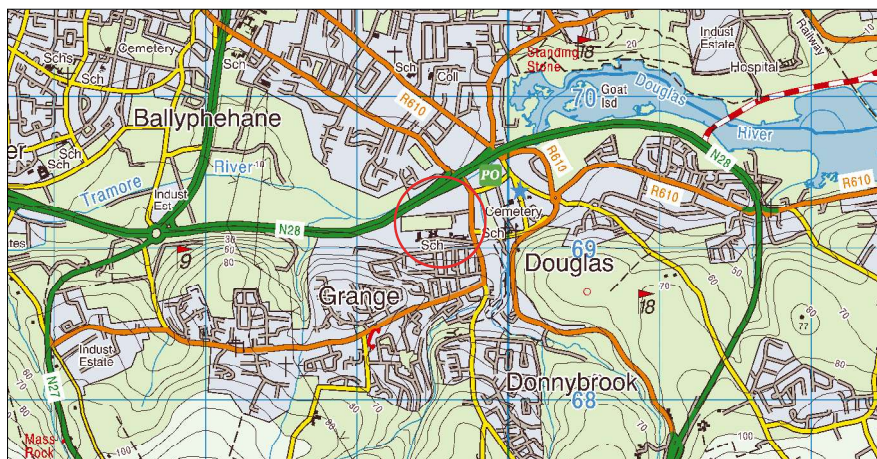
This facility forms part of ESB Sportsco in Cork. Ref: ESB Sportsco Co. Cork.



2nd March 2004



2nd March 2004



1. View of Club from Pitch & Putt Course. 2. View onto Pitch & Putt Course. 3. View of Front Elevation from Main Car Park.



View of Marina Power Station from Lower Glanmire Road

POWER STATION

Marina



Date Of Survey: 10th February 2004

Surveyors Name: Eugene Boyle
 Photographer: Eugene Boyle
 Field Controller: Judith Doherty
 O.S. Ref: 6383/7 ESB Ref: CC-PG-6383/7

Architectural Heritage Evaluation:

Record Only
 Local
 District
 Regional
 National
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Categories of Special Interest:
 Archaeological (AG)
 Architectural (A) ✓
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 Cultural (C)
 Historical (H)
 Scientific (SC)
 Social (SO)
 Technical (T) ✓

Summary

Marina Power Station is a gas fired power generating station. The station is a key landmark building located on the River Lee in the south Cork docks close to the city centre. The first phase of development of the Power Station was completed in 1954 with further significant phases of the stations evolution being completed in 1964 and in 1979.

Originally designed as a coal or oil fired station when it was commissioned in 1954, Marina 'A' Station comprised two 30MW steam units and was primarily fuelled by coal. The building was extended in the early 1960's and Marina 'B' Station was commissioned in 1964 incorporating an additional 60MW unit.

In the context of the discovery of natural gas off the southern coast of Cork, it was decided in the late 1970's to convert the station to combined-cycle configuration by the addition of a gas turbine unit and a heat-recovery boiler increasing the stations capacity to 205MW. The converted station was re-commissioned in 1979 and has operated since then with consistently high availabilities and efficiencies.

This year celebrates the 50th year of the Marina Generating Station since its commissioning in 1954. The station currently has a total electricity generating capacity of 115MW.

Description and Materials

The Marina (Navigational walk) was built from reclaimed mud and gravel dredged from the River Lee. The site was part of the old Cork Park Racecourse which opened in 1869. The racecourse closed in 1917 to make way for the development of the Ford car plant. The surrounding area is largely industrial in use with adjoining properties consisting of a vehicle storage depot, a coal storage yard, Cork Boat Club and directly across the river the station faces a dry dock. The oil tank farm on the far side of the Centre Park Road which formerly served the station is in ESB ownership and is leased to third parties.

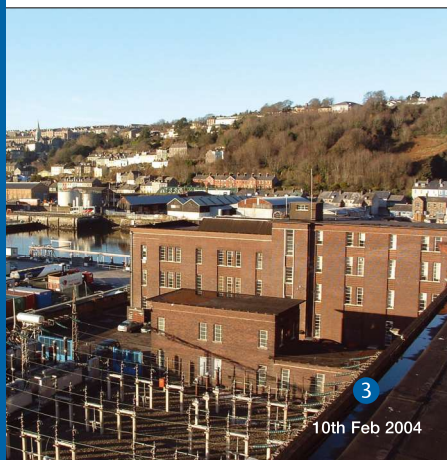
The Marina site was an ideal one for such a station with a pre-existing wharf, good road infrastructure and adequate space for expansion and adaptation of the complex.



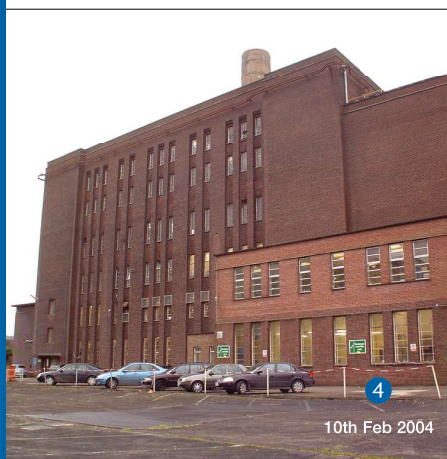
10th Feb 2004



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1. View of Power Station from Lower Glanmire Road. 2. Ariel View of Site Context. 3. Elevated View of Administration Wing, Transmission Compound and 10kV Switchgear House. 4. View of Power Station from Riverside Dock.



POWER STATION

Marina

Date Of Survey: 10th February 2004



The wharf was one of the most important factors, for it enabled the supplies of fuel to be landed literally at the front door of the station, a transporter grabbing a ton of coal at a time from the hold of a collier, and dumping it on a conveyor belt which transferred it to the coal yard.

The primary elements of the current Power Station complex comprise a small entrance control building, the 1954 Marina 'A' Power Station Building and Administration wing, the 1964 Marina 'B' extension to the station, 10kv Switch Gear House, the original reinforced concrete chimney stack, the 1979 detached Combustion Turbine Building, the transmission compound, the wharf to the river and associated ancillary buildings. The curtilage of the site originally included a large coal storage yard which extended to the Centre Park Road boundary. The former ESB Southern Regional Head Quarters building is located adjacent to the entrance to the site and is leased to third parties.

Generating Station

The Marina 'A' & 'B' Power Station Building occupies an L-shaped footprint at the northern end of the site and

encloses the stations entrance courtyard and transmission compound on two sides.

The main building consists of the following elements: Administration Wing, Turbine/Generator Hall & Auxiliary Block, Boiler Houses, ancillary facilities & workshops.

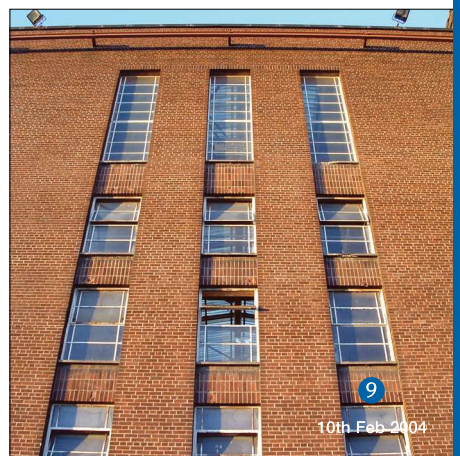
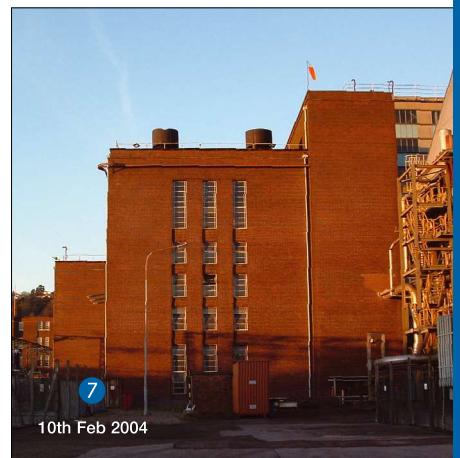
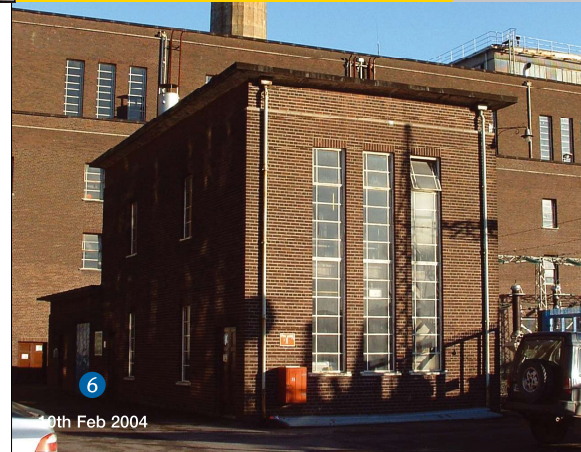
The cross section of the Power Station is organised as three distinct volumes which tier from three to six storeys in scale and are layered in parallel on an approximately North South axis.

The Administration wing varies from three to four storeys in scale, running perpendicular to the main axis and is connected to the northern end of The Turbine/Generator Hall completing the L-shaped building footprint.

Turbine/Generator Hall

The Turbine/Generator Hall is approximately five storeys in scale, the massing of which is concealed and reduced by a three storey auxiliary building volume forming the façade to the east.

Internally the Turbine/Generator Hall varies in volume from three to five storeys in height locally depending on functional requirements. The northern end of the space is full height which



5. View of 110kV Compound with Original Power Station and Combustion Turbine Boiler Building in background. 6. View of 10kV Switchgear Building. 7. End Elevation of Turbine/Generator Hall. 8. Elevation of Power Station to River Lee. 9. Detail of Fenestration.

POWER STATION

Marina
(continued)



Date Of Survey: 10th February 2004



10th Feb 2004



10th Feb 2004

allows plant to be replaced and delivery of equipment via the loading bay at ground level.

The Turbine/Generator Hall features a steel frame structure which is of a high level of design and fabrication. The space is naturally lit via a series of apex roof lanterns which highlight the visually light steel lattice trusses that span the space.

Boiler Houses

The original Boiler House is the largest volume in the complex and features deep section steel frames with riveted connections from which the original boilers, hoppers and associated plant were suspended. The detail, articulation and fabrication of this steelwork is of a high quality.

The Boiler House volumes are approximately six storeys in scale and are located to the rear of the Turbine/Generator Hall. The original Boiler Houses are no longer in use but the large voids where plant and ancillary equipment was located remain.

The Turbine/Generator Hall volume was extended in 1964 as an extrusion of the original plan form, steel framed structure and elevational expression.

This phase of construction incorporated an additional boiler house structure which is free standing of the original boiler house volume. This steel framed structure is clad in a combination of built up cladding and a glazing which is in striking contrast to the expression of the original building.

Structural elements are expressed with continuous vertically laid sinusoidal cladding with operating floor levels expressed in patent ribbon glazing and flat panel spandrels.

Administration Building

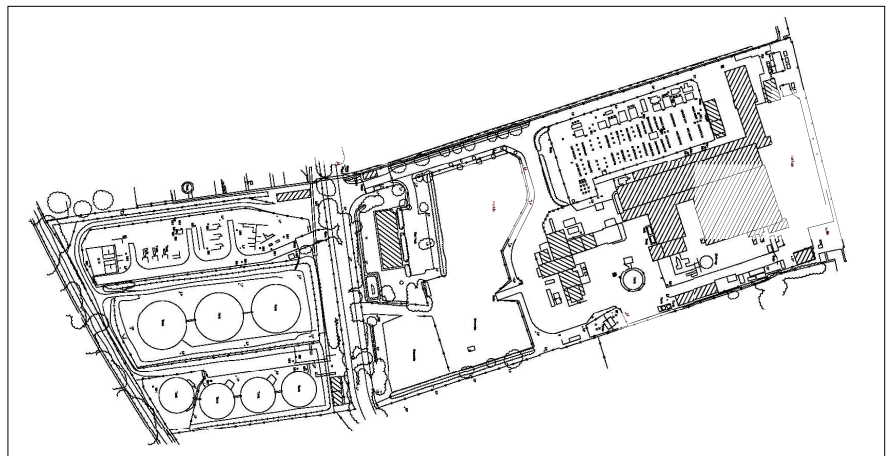
The administration offices, original station control room, workshops and stores are located in this wing of the overall building. A high floor to ceiling level is incorporated at ground floor which maximises natural light to the main offices and workshops on that floor. The building varies from three to four storeys in scale with the change in massing resolved elegantly by the projection of the entrance staircase tower on the entrance facade. This structure adjoins the main Generating Building with the palette of materials and architectural expression being consistent throughout.



10th Feb 2004



10th Feb 2004



10. Interior View of Marina A Boiler House. 11. Detail View of Marina A Boiler House Structure. 12. Interior View of Bunker Bay. 13. Elevation Detail of Marina B Boiler Building.



POWER STATION

Marina
(continued)

Date Of Survey: 10th February 2004



Although no longer in use, the control desk, instrumentation panels and general fit-out of the original station control room remain.

10kV Switchgear Building

Located between the entrance to the Administration Building and the Transmission Compound, this building varies from one to two storeys in scale and is articulated in a similar architectural language to the main building. The roof is of flat roofed concrete construction and expressed as an exposed tapered overhang.

Concrete Chimney Structure

The original concrete chimney of 'slip form construction' stands next to the original boiler houses but is not in use. An exposed steel framed vertical truss structure which formally supported the oil exhaust still stands next to this chimney stack.

Combustion Turbine Building

Located south of the original Power Station the Combustion Turbine Building is the most recent phase of development. It is detached from the rest of the buildings and is two to three storeys in scale with the exception of its boiler and chimney structure which echo the scale of the original concrete chimney. This element is characterised by the exposure of services and plant locally and the visual dominance of the steel chimney and metallic coloured cladding.

The building is composed of three sections: turbine, unloading bay and generator section. It is largely a sealed unit of steel frame construction and clad in light coloured profiled metal system which is in strong contrast to the solidity and presence of the original buildings form and materials.

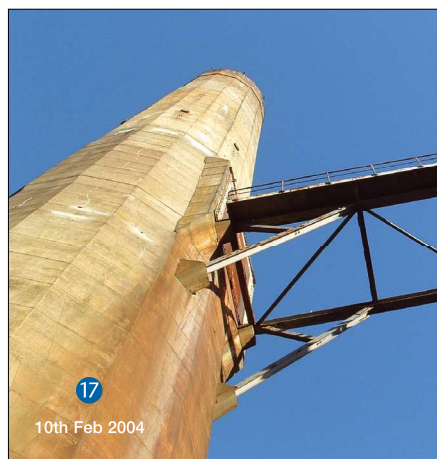
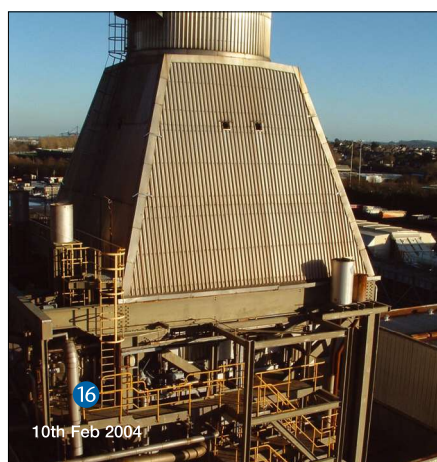
Special Interest - Technical

To enable the rapid development of a gas field discovered offshore in the 1970's, Ireland was one of the first European Countries to use large industrial gas turbines. Four General Electric Type Frame 9B (85MW) gas turbines were installed at Aghada and Marina, with the Marina machine in combined cycle repowering an existing steam turbine. It was commissioned in 1979.

Special Interest - Architectural

The architectural expression of the original Power Station exemplifies a rationalist approach in a modernist idiom. Skilful massing and elevational composition communicate the varied processes and spaces concealed by the large scale, visually solid brickwork volumes.

The red brick facades of English garden wall bond incorporate well proportioned and articulated openings. These are organised into multiple bays with a strong vertical emphasis. The end facades of both the Turbine Hall and original Boiler House feature window openings running the full height of the façade incorporating recessed stack bonded red brick spandrel panels. This composition echoes a stripped classicism and affords the building a heroic and temple like scale when viewed from the opposite bank of the River Lee. The openings incorporate well proportioned single glazed steel framed windows which give the façade a more human scale when viewed from a more intimate vantage point. Low pitched roofs are utilised throughout concealed by parapets, which further emphasise the strongly geometric building forms.



ESB DEPOT STORES & OFFICES

Wilton



Date Of Survey: 23rd March 2004

Surveyors Name: Marianne Keane
Photographer: Marianne Keane
Field Controller: Peter Carroll
O.S. Ref: 6427/02+1606 ESB Ref: CC-SS-6427/02+1606

Architectural Heritage Evaluation:

Record Only
Local
District
Regional
National
International

Categories of Special Interest:

Archaeological (AG)
Architectural (A) ✓
Artistic (AR)
Cultural (C)
Historical (H)
Scientific (SC)
Social (SO)
Technical (T)



Summary

The complex comprises four buildings which include an administration building, store, garage and training building, large depot and car parking area on a large landscaped site.

The site is located in Wilton, a suburb of Cork City, near other residential and commercial areas. An additional ESB site of undeveloped land lies to one side of the depot. The buildings are set back from the main road with parking and landscaped areas to the front of the site.

The site was purchased in 1976 and the buildings constructed from 1982-1983. The administration building was constructed in 1985 and was designed by architects Kelly & Barry.

Description & Materials

The present use of the entire property is as ESB offices and depot.

Administration Building

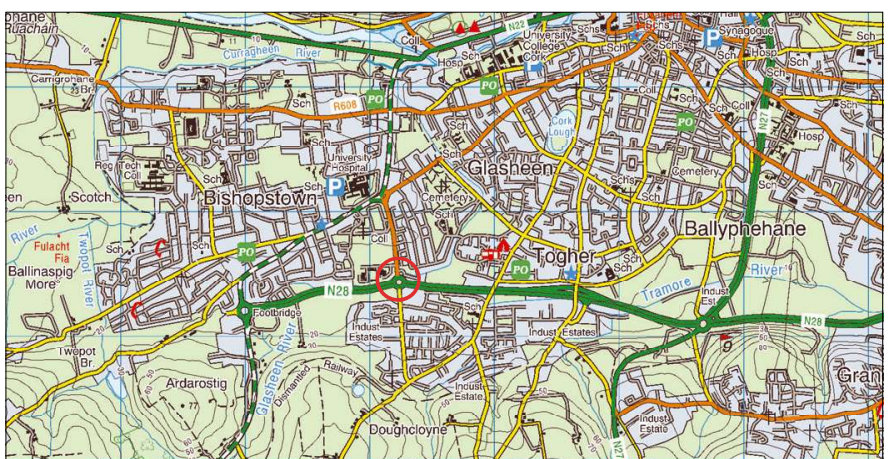
The administration building consists of offices, locker rooms and a canteen with protruding concrete stair towers on either side. The gross floor area is 4282m² and this building has a lift running between the ground and first

floor levels. The ESB National Call Centre is located here.

Structurally the building is composed of a concrete grid frame, supporting precast concrete ribbed slabs, covered with a cast in-situ slab. The roof deck is of similar construction to the first floor and also supports a pyramid shaped glazed roof covering the top of the feature light well and a large plant room located centrally. The elevations comprise a brown brick outer leaf with expressed structure surrounding large floor to ceiling window openings and a deep fascia.

City Group and Apprentice Training Building

The city group and apprentice training building has a gross floor area of 1057m². This is a twelve-bay rectangular planned building comprising stores, offices, lecture rooms and workshops. Most of the rooms can be accessed directly from the courtyard. The front elevation is of brown brick where a pitched roof and protruding bay window feature.



1. View of Main Front Entrance to Administration Building 2. View of Administration Building from Open Green Space
3. First Floor Interior Office Accommodation of Administration Building 4. View of City Group and Apprentice Training Building

ESB DEPOT STORES & OFFICES

Wilton

Date Of Survey: 23rd March 2004



23 March 2004

Stores Building.

The stores building is a ten-bay concrete portal framed building with brick outer leaf cladding and blockwork inner leaf with corrugated metal cladding and insulated corrugated metal cladding to roof with roof lighting. It has a floor area of 1192m².

Garage

The garage is an eight-bay steel portal framed structure with brickwork cladding and roller shutter doors accessing each bay. The garage has a gross floor area of 1157m² and contains a pit for servicing vehicles, a store, a capital tools pit and a welding bay. A mezzanine level on the end bay contains stores, an office, toilets and canteen.

The site is enclosed by a 2.5m high chain link and palisade fence. The four buildings located on the site surround a central tarmac surfaced courtyard containing petrol pumps and a telecommunications mast. Parking is located to the front, with machinery parking in the courtyard. There are enclosed compounds to the rear of the site behind the stores building.

ESB Wilton was designed as a purpose-built suburban complex to accommodate the ESB Southern Regional Engineering headquarters.

The total area of the site is 6.7ha (16.18 acres).

Special Interest – Architectural

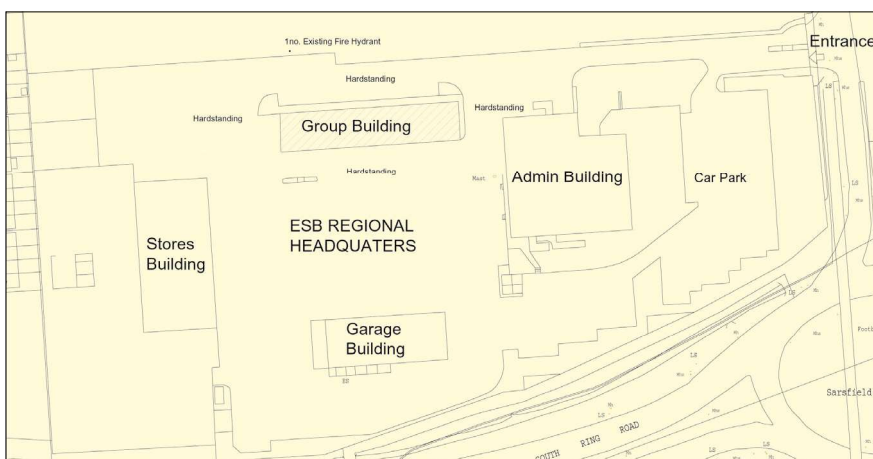
The pyramidal glass roof light in the administrative building above the first floor is a feature designed to flood the central space with light and enhance the open-plan office areas.



23 March 2004



23 March 2004



23 March 2004

5. Citygroup and Training Building with Garage in Background. 6. Transport Workshop. 7. Adjoining Greenfield Site. 8. Main Stores Building.