

In your paper today

News 2-7

Ghost estate demolition

The imminent demolition of houses in a ghost estate in Lisrine is a major breakthrough for Cork County Council.



Page: 4

World 8&9

IS has been shooting at civilians as they try to flee the fighting between Iraqi government forces and IS militants in the city of Fallujah.

Page: 8

Business 14&15

Days before a referendum that seemed to be in the bag for David Cameron, a YouGov Plc poll suddenly showed the Leave side ahead.

Page: 15

Sport 16-27

Mclroy making major progress

Rory Mclroy will approach next week's US Open in better spirits than his 'Big Three' rivals.



Page: 22

Irish Examiner contacts

General switchboard:	021 4272722
Dublin switchboard:	01 5330880
News / Diary:	021 4802101
Email:	news@examiner.ie
Diary:	diary@examiner.ie
Sport:	021 4802152
Email:	sport@examiner.ie
Business:	021 4802259
Email:	business@examiner.ie
Advertising:	021 4274455
Email:	ads@examiner.ie
Circulation:	021 4802256
Email:	circulation@examiner.ie

St Angela's is a lesson in building a new dimension for education

Cork school's renaissance is a showcase for architectural excellence, writes **Eoin English**

ONE of the country's most ambitious, complex and challenging school building projects has been named amongst the world's top 30 buildings, and been short-listed for a prestigious national and global award.

Sixteen years in the making, the mammoth €9.2m redevelopment of the historic St Angela's College campus in the spiritual heart of Cork city, is in the running for the People's Choice award in the Royal Institute of the Architects of Ireland's (RIAI) Irish Architecture Awards — Irish architecture's equivalent of the Oscars.

But the innovative design, described by the influential London-based Architectural Review magazine as "liberating and uplifting", is also one of just two Irish projects selected by the Royal Institute of British Architects as amongst its 30 incredible buildings from around the world this year. It has been short-listed for its international award which is due to be announced later this month.

Situated on one of the country's steepest streets, sandwiched on a confined site between St Patrick's Hill and Richmond Hill, the St Angela's project posed major challenges for the team of architects from O'Donnell + Tuomey.

The site has several historic and protected buildings and is located in an Architectural Conservation Area. As well as protecting the historic buildings and adding new ones on the complicated and constrained site, the architects had to work with a tight budget and provide a sports hall, while working to a standard Department of Education secondary school brief.

But after years of detailed consultation and painstaking design work, and after two years of renovation and building, the new school campus opened to students and teachers last January.

With several one-off design elements and building solutions, it has been hailed as a major architectural achievement and described as one of the most original and exciting school buildings in the country.

It has been designed like a hill-town — the architect described it as a "topographical miniaturisation of Cork's urban conditions" — with city-like lanes and terraced courtyards and gardens connecting the new and old together.

A continuous external route negotiates the 18-metre drop in site levels, connecting an orchard garden,



The old convent building stands in harmony with the new school building at St Angela's College in Cork.

Pictures: Denis Scannell

courtyards, classrooms, and playgrounds.

Students and staff can move from the orchard garden down a series of stairs and across courts to the external performance and play area at the bottom of the site, without ever going inside.

Internal circulation areas generally overlook active courtyards and teaching rooms look into quieter areas, or have views over the city.

The school even has a fenced roof-top play area on top of its PE hall — one of just a handful of schools in the country with a roof-top play space.

School principal Pat Curran said they were delighted it has been short-listed for two major awards, and he praised the architects for their commitment to the project over the last 16 years.

"We have always provided an excellent education at St Angela's but the joke internally was that the building

was like Hogwarts — with dark dingy areas in places and creaky floorboards in others," he said.

"But now we have a bespoke school building. It is now an educational community of buildings, and the interaction between the old buildings and the new is wonderful.

"The building is an absolute pleasure to come in to. There is fun in the design. Light fills the corridors, which are wide and airy, and there are lovely social spaces.

"We have circular windows in places which cast wonderful shadows on the floors. We can see the landmark features of the city's northern skyline from almost every vantage point.

"And we have noticed our sixth year art students sitting in the quiet spaces around the school, capturing these views through the windows for their own art portfolios, which is wonderful to see," St Angela's Col-

lege was founded by the Ursuline order of nuns in 1887 and following the acquisition of several adjoining buildings, it expanded on its compact site over the next century, with prefabs added in the 1950s and 1970s.

But when it became clear that more prefab buildings would be needed in the early 2000s, a solution had to be found.

Consideration was given to moving to a greenfield site, but given St Angela's historic connection to the city centre, it was decided to embark on a complete redevelopment of its campus.

Architect, Sheila O'Donnell, was involved in the project from day one and said it was one of O'Donnell + Tuomey's longest-running projects — from feasibility studies in 1999 to completion earlier this year.

"But we stuck with it. It was such an interesting project on the steepest street in Ireland. The idea of having to build there, while keeping

the historic buildings, and getting a sports hall in there, was an interesting puzzle. It was always one of our more interesting projects," she said.

"There were times when we thought it might not happen but as an architect, you have to be quite dogged, and stick with things, and believe in the possibility of it happening." She praised former principal, Rosaleen Maloney, who she said was driven to provide a better school, and her successor, Geraldine Quilter, for her commitment to the project, before Mr Curran took over.

She also praised the Department of Education for supporting the project throughout, for opting to keep the school in the inner city, and for displaying flexibility around key design elements.

The entire school community vacated the site in September 2013 and relocated to the site of the former St Patrick's Hospital and Marymount Hospice, before the building was completed in March 2014.

Over the next 22 months, they refurbished four 19th-century buildings and built two new purpose-designed buildings — one for sciences and another for art.

Their biggest challenge was to incorporate a full-size sports hall on the confined hillside site.

The architects overcame this by installing a clear-span concrete structure on the lowest part of the site.

Its roof, at the level of the entrance from the street, made new ground on the site and provided a sunny terrace and ball-court with views out over the city below.

Red sand from Cork red sandstone was added to the mix for the concrete paving, in continuation with the typical street landscape of St Patrick's Hill.

Buildings were designed to take advantage of their site and orientation and the architects ensured that all teaching spaces and habitable rooms have natural daylight as the main source of light.

Despite the various levels across the site, just two lifts make the entire school building accessible to wheelchair users.

"Architects and builders worked closely together to get the best value out of the project, to make a lasting public building on a very special site," Ms O'Donnell said.

The new school campus opened its doors to 550 students and 50 staff on January 6 last.

Other projects in the running for the RIAI's awards include the new public library in Hollyhill, on Cork's northside; The People's Park in Dun Laoghaire; the GPO Witness History experience; the Faabry Swimming Platform in Denmark; Aldi in Terenure; Hunewood Castle; Waterford Fire Station and Dublin Port Diving Bell.

The RIAI has encouraged people to vote for their favourite building by June 17 at www.irisharchitectureawards.ie or on the RIAI Facebook page. The winners will be announced on June 24.

was like Hogwarts — with dark dingy areas in places and creaky floorboards in others," he said.

"But now we have a bespoke school building. It is now an educational community of buildings, and the interaction between the old buildings and the new is wonderful.

"The building is an absolute pleasure to come in to. There is fun in the design. Light fills the corridors, which are wide and airy, and there are lovely social spaces.

"We have circular windows in places which cast wonderful shadows on the floors. We can see the landmark features of the city's northern skyline from almost every vantage point.

"And we have noticed our sixth year art students sitting in the quiet spaces around the school, capturing these views through the windows for their own art portfolios, which is wonderful to see," St Angela's Col-



Internal circulation areas generally overlook active courtyards and teaching rooms look into quieter areas, or have views over the city.



St Angela's is one of only a handful of schools in the country with a rooftop play space.

sudoku

basic

5	9	4	2	1	3	6	8	7
2	7	3	9	8	5	4	1	6
8	1	6	5	4	7	9	2	3
7	4	9	6	2	1	3	5	8
3	5	8	7	9	4	2	1	6
1	6	2	8	3	5	4	7	9
4	3	7	1	6	2	8	9	5
6	8	5	4	7	9	1	3	2
2	1	3	5	8	7	9	6	4

intermediate

6	7	2	3	9	8	1	5	4
1	9	5	4	7	6	8	3	2
3	4	8	1	5	2	9	6	7
4	2	6	8	1	7	5	9	3
5	1	3	9	6	4	7	2	8
7	8	9	5	2	6	4	1	3
9	6	7	2	3	1	4	8	5
2	5	4	7	8	9	3	1	6
8	3	1	6	4	5	2	7	9

advanced

8	5	6	3	7	2	9	4	1
9	4	7	8	5	1	3	2	6
2	1	3	6	4	9	8	7	5
6	9	8	1	3	4	7	5	2
7	3	4	9	2	5	1	6	8
5	2	1	7	8	6	4	9	3
3	6	2	1	4	5	7	8	9
1	7	5	2	9	8	6	3	4
4	8	9	5	6	3	2	1	7

HOW TO PLAY
Fill in the grid, ensuring that each column and row, and every 3x3 box, contains the numbers 1-9

BASIC

3	9	8	7	1	5
5	7	3	4	2	9
8	1	6	5	8	7
7	4	1	5	8	9
2	9	6	1	8	3
6	8	9	1	7	5
3	4	8	5	6	2

INTERMEDIATE

3	5	1	7	8	3
4	9	3	2	8	7
1	2	8	9	1	5
2	4	9	6	3	7
1	2	6	5	3	8
5	1	8	6	9	4

ADVANCED

2	5	4	7	1	8
1	9	8	3	6	5
3	9	1	8	6	2
9	8	7	3	8	1
8	5	3	4	9	7
2	8	5	3	4	9

WEATHERDIAL
FROM MET ÉIREANN

Lines updated 3 times per day 24/7
SIMPLY CALL 1550 123 plus
Calls cost €0.97c per min inc VAT. Calls from mobiles may be more. SP ATTS Tel: 0818 200 150 National call

MUNSTER	830	ULSTER	833
LEINSTER	831	DUBLIN	834
CONNACHT	832	SEA AREA	835

WEATHERWATCH

NOON

Any low cloud across Leitrim will break up this morning, allowing for some sunny spells. However, there will be the chance of sharp showers breaking out. Across Ulster, Connacht and Munster despite some sun, heavy, thundery showers will develop. Light, variable winds. Max temp 19-22C (66-72F).

TONIGHT

It is expected to become rather misty across Ulster with the odd shower lingering but with plenty of dry weather too. Showers across the rest of the country should peter out leaving variable cloud and clear periods with localised mist developing. Winds remaining light. Min temp 11-14C (52-57F).

TOMORROW

Some mist and low cloud may affect eastern Leitrim. Otherwise, there will be sunny spells and perhaps the odd shower. For Ulster, Connacht and Munster, there will be sun with the potential for one or two mostly light showers breaking out. Feeling warm. Light winds. Max temp 21-24C (70-75F).

SUN AND MOON TODAY

rises sets rises sets
Sun..... 04:58 21:49 Moon... 07:44 23:41

MOON PHASE
First Quarter
12 June

EXTREMES

Warmest Belfast 25C (77F)
Coldest Galteebridge 8C (46F)
Wettest Finnan 0.72 inches

EUROPE TODAY

Cloudy in northern Iberia with showers in the east, heavy over the Pyrenees. Unsettled across France, the Low Countries, the Alpine region and Italy with heavy downpours and thunderstorms. Heavy showers for the Balkans and Greece. Showers or rain in northern and western Scandinavia. Fine elsewhere.

EUROPE OUTLOOK

Much of Iberia will remain hot and sunny over the next few days, although with rain in the north towards Friday. Unsettled weather is expected over central Europe with thunderstorms and these may spread into Italy, the Balkans and parts of eastern and south-eastern Europe later on in the week.

HIGH TIDES TODAY

time	height	time	height
Galway	07:21 5.2m	19:39 5.2m	
Limerick	08:12 5.0m	21:31 5.1m	
Cobh	07:45 4.1m	20:07 4.2m	
Waterford	08:34 4.7m	20:54 4.8m	
Dublin	01:30 4.2m	14:02 4.1m	
Belfast	01:09 3.7m	13:58 3.5m	

IRELAND YESTERDAY

readings at 12noon	condition	°C	°F
Belfast	sunny	24	75
Birr	showers	20	68
Carr	hazy	17	63
Dublin	showers	17	63
Kilmany	showers	19	66
Rosslare	showers	17	63
Shannon	cloudy	18	64
Valentia	hazy	18	64