



Swimming Pool • Spa • Hot Tub • Sauna • Steamroom

Design • Installation • Service • Maintenance

See our website : www.arkaengineering.ie



Hillcroft House,
Monatrea Ind.Est.,
Celbridge,Co.Kildare.

t 01 627 9095
f 01 627 9096
e info@arka.ie



Introduction

Completed Contracts – Cross Section

New Contracts

Equipment

Drawings

Typical Relaxation Suite

Typical Pool & Spa Layout 1

Typical Pool Spa Layout 2

Pool Fittings Detail

Typical Plant Equipment Layout

Introduction

Arka Engineering are a 100% Irish owned company with over 25 years experience in the Irish Leisure Industry.

What We Do.

Arka Engineering design, install, service & maintain commercial Swimming Pools, Spas, Hot Tubs, Saunas & Steamrooms.

Most of our work is carried out in Leisure Centres, Hotels, & Hospitals.

Our installations feature only the latest state of the art equipment.

We are Irish Agents for Leading Industry Manufacturers such as Lovibond (Tintometer) Water Test Equipment, Dinotec Chemical Control Systems, Easidose Chemical Dosing Systems, Spaform Spas, Hot Tubs, etc.

Picture : Cavan Crystal Leisure Centre

Completed Contracts - Cross Section

The following pages contain a cross section of some contracts completed in the past.



Client : Jackie Skelly Fitness.
Project : Charlesland, Greystones, Co. Wicklow.
Contract : 20m Swimming Pool.



Client : Jackie Skelly Fitness.
Project : Bailis, Navan, Co. Meath.
Contract : 20m Swimming Pool, Spa.



Client : Jackie Skelly Fitness.
Project : Park West, Dublin 12.
Facilities : 20m Swimming Pool, 3m Commercial Spa.
Automatic Main Pool Cover & Reel System.



Client : Jackie Skelly Fitness.
Project : Applewood Village, Swords, Co.Dublin.
Facilities : 21m Swimming Pool, Kiddies Pool, 3m Commercial Spa.



Client : Jackie Skelly Fitness.
Project : Ashbourne, Co.Meath.
Facilities : 20m Swimming Pool, Commercial Spa.



Client : Jackie Skelly Fitness.
Project : Jackie Skelly Fitness, Clarendon Street.
Contract : Swimming Pool and Commercial Spa.

Completed Contracts - Cross Section ... Continued



Client : Jackie Skelly Fitness.
Project : Shelbourne Road, Dublin.
Contract : 20m Swimming Pool and Commercial Spa.



Client : Jackie Skelly Fitness.
Project : Drogheda, Co. Louth.
Contract : 20m Swimming Pool and Commercial Spa.



Client : International Leisure Ltd.
Project : Howley's Quay, Limerick.
Facilities : 20m Swimming Pool, Children's Pool, Commercial Spa, Underwater automatic Pool Cover.



Client : International Leisure Ltd.
Project : Crunch Fitness, Aston Quay, Dublin.
(Former Virgin Megastore Site).
Contract : Swimming Pool, Kiddies Pool, Commercial Spa.



Client : International Leisure Ltd.
Project : Westmanstown (Garda Sports & Social Club Site).
Facilities : 25m Swimming Pool, 2 No. Commercial Spas.



Client : International Leisure Ltd.
Project : Tallaght, Co. Dublin
Facilities : 25m Swimming Pool, 2 No. Commercial Spas.



Completed Contracts - Cross Section ... Continued



Client : M.K. Fitness.
Project : M.K. Fitness, Limerick.
Facilities : 20m Swimming Pool, Commercial Spa.



Client : The Killarney Lake Hotel.
Project : The Killarney Lake Hotel.
Facilities : Outdoor Commercial Hot Tub and Spa.



Client : Office of Public Works.
Project : Farmleigh House, Pheonix Park, Dublin.
Facilities : Leisure Pool c/w Counter Current.



Client : Cavan Crystal Hotel.
Project : Cavan Crystal Leisure Club, Cavan.
Facilities : 20m Swimming Pool, Commercial Spa, Wall Mounted Remote Control Pool Cover.



Client : Lough Erne Hotel.
Project : Castlehume, Enniskillen, Co. Fermanagh.
Facilities : 20m Swimming Pool, Sauna, Steamroom and Spa.



Client : Newpark Hotel.
Project : Newpark Hotel, Castlecomer Road, Kilkenny.
Contract : 3m Commercial Overflow Spa.

Completed Contracts - Cross Section ... Continued



Client : Dublin City Council, (Formerly Dublin Corporation).
Project 1: Rathmines Swimming Pool.
Project 2: Ballymun Swimming Pool.
Contract : New Pool Water Chemical Treatment Plant.



Client : Ballyshannon Swimming Pool.
Project : Ballyshannon Swimming Pool.
Contract : New Pool Water Treatment Plant.



Client : The Four Seasons Hotel.
Project : Four Seasons Hotel, Monaghan.
Contract : New Pool Water Treatment and Filtration Plant.



Client : The Four Seasons Hotel.
Project : The Four Seasons Hotel, Monaghan.
Contract : Commercial Hot Tub.



Client : The Four Seasons Hotel.
Project : The Four Seasons Hotel, Carlingford, Co. Louth.
Contract : 20m Swimming Pool, Commercial Spa, Sauna and Steamroom

Completed Contracts - Cross Section ... Continued



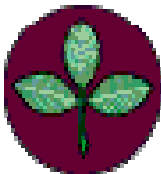
Client : St. John of Gods.
Project : Dunmore House, Glenageary, Co. Wicklow.
Contract : Hydrotherapy Room.



Client : St. John of Gods.
Project : Blackrock Hospice.
Contract : New Hydrotherapy Pool and Spa.



Client : Sarsfields G.A.A.
Project : Sarsfields G.A.A., Newbridge, Co.Kildare.
Contract : New Commercial Spa.



Client : Tallaght Hospital.
Project : Tallaght Hospital Hydrotherapy Pool.
Facilities : Extensive Pool Plant Refurbishment.

T.C.S.P
*Templeogue College
Swimming Pool*

Client : Templeogue College Swimming Pool.
Project : Templeogue College Swimming Pool.
Contract : New Pool Water Treatment Plant.



Client : Liffey Valley Leisure Centre.
Project : Liffey Valley Leisure Centre, Liffey Valley, Dublin.
Facilities : 33m Swimming Pool and Commercial Spa.



Completed Contracts - Cross Section ... Continued



Client : Dunne Construction Ltd.
Project : Clanree Hotel, Letterkenny, Co. Donegal.
Facilities : 20m Swimming Pool, Children's Pool and Spa.



Client : Pier Head Hotel.
Project : Pier Head Hotel, Mullaghmore, Co. Sligo.
Contract : 18m Swimming Pool, Commercial Spa, Sauna and Steamroom.



Client : Clarion Hotel Group.
Project : Leisure Centre. Sligo.
Contract : Swimming Pool, Spa, Sauna and Steamroom.



Project : Equine Pool, Dungarvan.
Contract : Equine Exercise pool and Equine Spa.



Client : Naas Health & Leisure.
Project : Naas Health & Fitness, Naas, Co. Kildare.
Facilities : 25m Swimming Pool, Children's Pool, Commercial Spa, Wall Mounted, Remote Control Pool Cover.

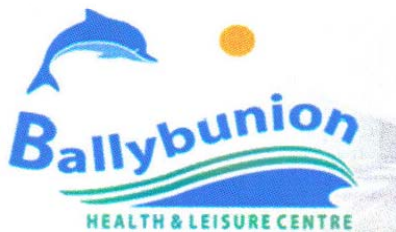
Completed Contracts - Cross Section ... Continued



Project : Comfort Hotel, Portlaoise, Co. Laois.
Contract : Swimming Pool, Spa, Sauna and Steamroom.



Client : Westgrove Hotel.
Project : Westgrove Hotel, Clane, Co. Kildare.
Contract : 20m Swimming Pool, Commercial Spa, Sauna and Steamroom.



Client : Kerry County Council.
Project : Ballybunion Swimming Pool.
Contract : 25m Swimming Pool, Commercial Spa, Sauna and Steamroom.



Client : Knightsbrook Hotel, Trim, Co. Meath.
Contract : 20m Swimming Pool, Commercial Spa, Sauna and Steamroom.

New Contracts (1 of 2)



Project : Tullamore Hospital, Tullamore, Co. Offaly.
Contract : Hydrotherapy Pool.



Project : Salthill Hotel, Galway.
Contract : 25m Swimming Pool plus 15m Swimming Pool,
Jacuzzi, Sauna and Steamroom.



Client : Jackie Skelly Fitness.
Location : Newbridge, Co. Kildare.
Contract : 20m Swimming Pool, Spa.



Client : Downshire Plaza Hotel.
Location : Edenderry, Co. Offaly.
Contract : 20m Swimming Pool, Spa, Sauna and Steamroom.

New Contracts (2 of 2)



Client : Abbeyfield Hotel.
Location : Ballaghaderreen, Co. Roscommon.
Contract : 18m Swimming Pool and Hot Tub.



Client : Clarion Hotels.
Location : Carrickglass.
Contract : Swimming Pool.



Client : International Leisure Ltd.
Project : Cherrywood Bus. Park. Dublin 18.
Facilities : 25m Swimming Pool and Commercial Spa.



Client : Carrickdale Hotel, Dundalk, Co. Louth.
Facilities: Commercial Hot Tub & Spa.

Drawings

The Arka Engineering drawing office can produce drawings or mark up your existing drawings to include Swimming Pool, Spa, Hot Tub, Sauna, Steamrooms, Treatment Rooms and associated equipment.

To follow are some typical drawings.

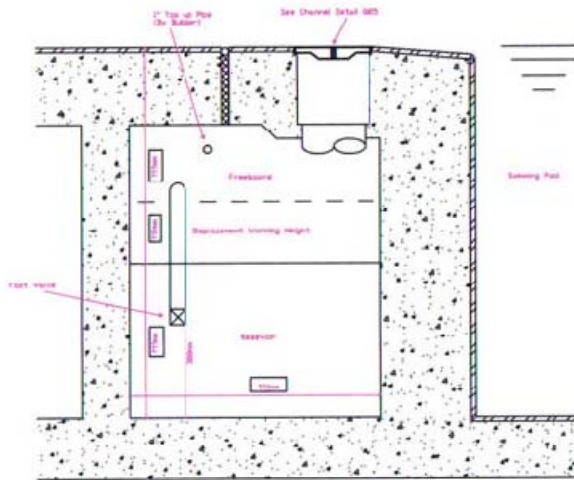
Please send Drawings to Ronan Buckley :

Fax : 01 6279096

e mail : rbuckley@arka.ie (in Autocad format).



BALANCE TANK SECTION DETAIL 0006

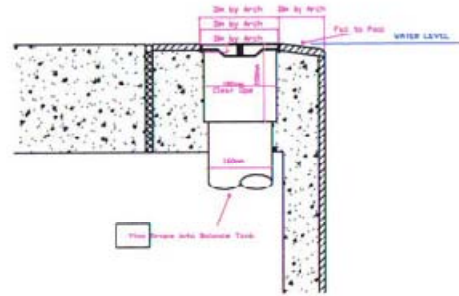


PUDDLE FLANGED FITTING HANDED OVER BY ARKA AND SET IN CONCRETE BY MAIN CONTRACTOR

Balance Tank Size 7th x 7th x 7th/4th

| | | |
|---|------------------------------|------------|
| ARKA ENGINEERING HOLLOWAY HOUSE Hemsby, 3rd Cat. Cambridge, Co. Kildare Ireland | | |
| Tel | 01 6279071 | |
| Fax | 01 6279096 | |
| E-mail | arka@arcacount.com | |
| Client | 0101010101 | |
| Project Title | 0101010101 | |
| Doc Title | Section Through Balance Tank | |
| Date | 11-11-11 | Scale: NTS |
| Purpose of Issue | | |
| Doc No | 061/0006 | Rev: 0 |

CHANNEL AT BALANCE TANK DROP DETAIL 0005



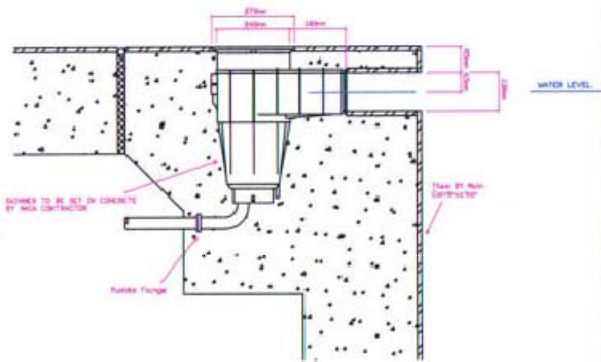
CHANNEL TO BE SET IN CONCRETE BY MAIN CONTRACTOR

Balance Tank Size 7th x 7th x 7th/4th

CHANNEL DROPS TO BE SET IN CONCRETE BY MAIN CONTRACTOR

| | | |
|---|------------------------------|------------|
| ARKA ENGINEERING HOLLOWAY HOUSE Hemsby, 3rd Cat. Cambridge, Co. Kildare Ireland | | |
| Tel | 01 6279071 | |
| Fax | 01 6279096 | |
| E-mail | arka@arcacount.com | |
| Client | 0101010101 | |
| Project Title | 0101010101 | |
| Doc Title | Channel at Balance Tank Drop | |
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| Purpose of Issue | | |
| Doc No | 061/0005 | Rev: 0 |

SURFACE SKIMMER DETAIL 00??

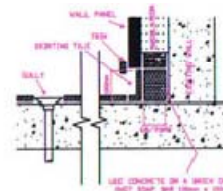


UNIT TO BE SET IN CONCRETE BY MAIN CONTRACTOR

TYPE SKIMMER UNITS HANDED OVER BY ARKA AND SET IN CONCRETE BY MAIN CONTRACTOR

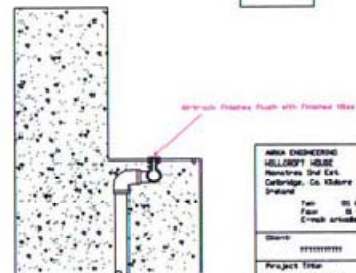
| | | |
|---|------------------------|------------|
| ARKA ENGINEERING HOLLOWAY HOUSE Hemsby, 3rd Cat. Cambridge, Co. Kildare Ireland | | |
| Tel | 01 6279071 | |
| Fax | 01 6279096 | |
| E-mail | arka@arcacount.com | |
| Client | 0101010101 | |
| Project Title | 0101010101 | |
| Doc Title | Surface Skimmer Detail | |
| Date | 11-11-11 | Scale: NTS |
| Purpose of Issue | | |
| Doc No | 061/0017 | Rev: 0 |

SECTION THROUGH SAUNA WALL DETAIL 00??



BLOCK ON EDGE TO BE SET IN PLACE BY MAIN CONTRACTOR

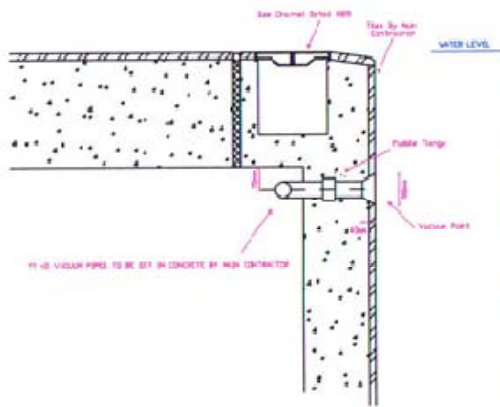
TYPICAL AIRTRACK DETAIL 00??



PIPE HANDED OVER BY ARKA AND SET IN CONCRETE BY MAIN CONTRACTOR

| | | |
|---|--------------------|------------|
| ARKA ENGINEERING HOLLOWAY HOUSE Hemsby, 3rd Cat. Cambridge, Co. Kildare Ireland | | |
| Tel | 01 6279071 | |
| Fax | 01 6279096 | |
| E-mail | arka@arcacount.com | |
| Client | 0101010101 | |
| Project Title | 0101010101 | |
| Doc Title | | |
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| Purpose of Issue | | |
| Doc No | 061/0017 | Rev: 0 |

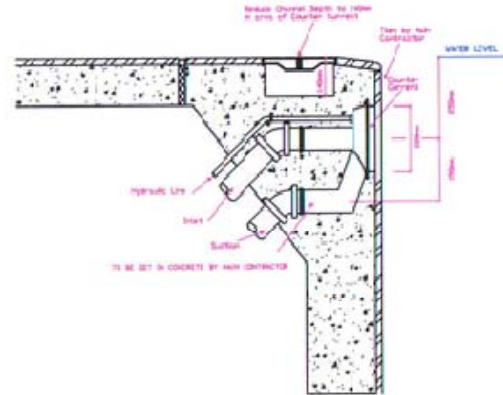
VACUUM POINT
DETAIL 0004



FUDGE FLANGED FITTING HANDED OVER BY ARKA AND SET IN CONCRETE BY MAIN CONTRACTOR

| | | |
|---|------------|--|
| ARKA ENGINEERING HOLLOWAY HOUSE Newbridge Ind Est, Colmáiste, Co. Wick Ireland | | |
| Tel: 01 6279670 Fax: 01 6279696 E-mail: arka@arke.com | | |
| Client: 1111111111 | | |
| Project Title: 1111111111 | | |
| Dwg Title: Vacuum Point Detail | | |
| Date: 11-11-11 | Scale: NTS | |
| Purpose of Issue: | | |
| Dwg No: 004/0004 | Rev: 1 | |

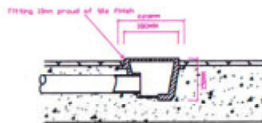
COUNTER CURRENT
DETAIL 0007



FUDGE FLANGED FITTING HANDED OVER BY ARKA AND SET IN CONCRETE BY MAIN CONTRACTOR

| | | |
|---|------------|--|
| ARKA ENGINEERING HOLLOWAY HOUSE Newbridge Ind Est, Colmáiste, Co. Wick Ireland | | |
| Tel: 01 6279670 Fax: 01 6279696 E-mail: arka@arke.com | | |
| Client: 1111111111 | | |
| Project Title: 1111111111 | | |
| Dwg Title: Counter Current Detail | | |
| Date: 11-11-11 | Scale: NTS | |
| Purpose of Issue: | | |
| Dwg No: 007/0007 | Rev: 1 | |

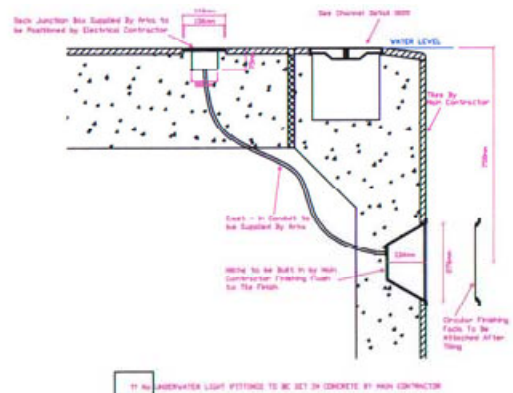
FLOOR SUMP
DETAIL 0002



SUMP HANDED OVER BY ARKA AND SET IN CONCRETE BY MAIN CONTRACTOR

| | | |
|---|------------|--|
| ARKA ENGINEERING HOLLOWAY HOUSE Newbridge Ind Est, Colmáiste, Co. Wick Ireland | | |
| Tel: 01 6279670 Fax: 01 6279696 E-mail: arka@arke.com | | |
| Client: 1111111111 | | |
| Project Title: 1111111111 | | |
| Dwg Title: Floor sump detail | | |
| Date: 11-11-11 | Scale: NTS | |
| Purpose of Issue: | | |
| Dwg No: 002/0002 | Rev: 1 | |

UNDERWATER LIGHT FITTING
DETAIL 0003

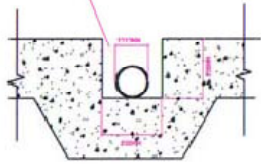


LIGHT NICHES HANDED OVER BY ARKA AND SET IN CONCRETE BY MAIN CONTRACTOR

| | | |
|---|------------|--|
| ARKA ENGINEERING HOLLOWAY HOUSE Newbridge Ind Est, Colmáiste, Co. Wick Ireland | | |
| Tel: 01 6279670 Fax: 01 6279696 E-mail: arka@arke.com | | |
| Client: 1111111111 | | |
| Project Title: 1111111111 | | |
| Dwg Title: Underwater Light Fitting Detail | | |
| Date: 11-11-11 | Scale: NTS | |
| Purpose of Issue: | | |
| Dwg No: 003/0003 | Rev: 1 | |


**INLET CHANNEL IN POOL FLOOR
DETAIL 0001**

Grouting and Wing by Main Contractor



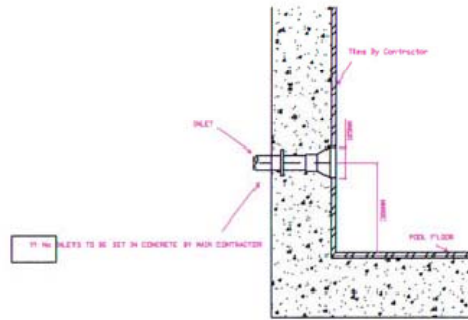
INLET CHANNEL IN POOL FLOOR

PIPE HANDED OVER BY ARKA AND SET IN CONCRETE BY MAIN CONTRACTOR

| | | |
|--|-----------------------------|---|
| ARKA ENGINEERING HILLCROFT HOUSE Monatrea Ind Est, Celbridge, Co. Kildare Ireland Tel: 01 627 9070 Fax: 01 627 9096 E-mail: arka@eircom.net | |  |
| Client: | 000000000 | |
| Project Title: | 000000000 | |
| Doc Title: | Inlet Channel in Pool Floor | |
| Date: | 15-15-19 | Scale: NTS |
| Purpose of Issue: | | |
| Doc No: det/0001 | Rev: 0 | |

**INLET SPREADER
DETAIL 0001**

Tile by Contractor



INLETS HANDED OVER BY ARKA AND SET IN CONCRETE BY MAIN CONTRACTOR

| | | |
|--|-----------------------|---|
| ARKA ENGINEERING HILLCROFT HOUSE Monatrea Ind Est, Celbridge, Co. Kildare Ireland Tel: 01 627 9070 Fax: 01 627 9096 E-mail: arka@eircom.net | |  |
| Client: | 000000000 | |
| Project Title: | 000000000 | |
| Doc Title: | Inlet Spreader Detail | |
| Date: | 15-15-19 | Scale: NTS |
| Purpose of Issue: | | |
| Doc No: det/0001 | Rev: 0 | |



**Hillcroft House,
Monatrea Ind.Est.,
Celbridge,Co.Kildare.**

**t 01 627 9070
f 01 627 9096
e arka@eircom.net**

Equipment

All equipment installed by Arka Engineering state of the art, and specifically designed & manufactured for commercial use.

Please contact us for further information on the following :

| | |
|--------------------------|-------------------------|
| Swimming Pools | Pool Fittings |
| Spas | Overflow Channel |
| Hot Tubs | Chlorine Feeders |
| Ice Rooms | Chemical Controllers |
| Salt Grottos | Pool Pumps |
| Turkish Steam Rooms | Spa / Hot Tub Pumps |
| Heated Seats & Footbaths | Air Blowers |
| Adventure Showers | Filters |
| Rasul | Heat Exchangers |
| Herb Saunas | Pipework |
| Saunas | Dehumidifiers |
| Steamrooms | Counter Current Systems |
| Pool Covers | Pool Play Features |
| Heat Recovery Systems | Ladders & Handrails |





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Celbridge,Co.Kildare.**

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f 01 627 9096
e arka@eircom.net**