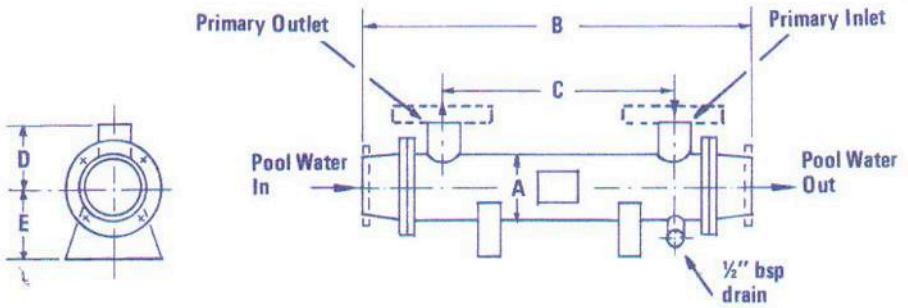
AQUATHERM

SWIMMING POOL CALORIFIER SEVERN TYPE

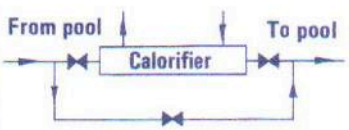


UNIT	MAX: OUTPUT		MAX: FLOW G.P.H. - M^3/HR		DIMENSIONS (INCHES & MM)					CONNECTIONS		DRY WEIGHT
	BTU/HR	KW	PRIMARY	POOL	A	B	C	D	E	PRIMARY	POOL	kg/lb
A.101	100,000	29	500 2.3	1750 7.9	3" 80	17½" 444	9" 229	3 3/8" 86	4 5/8" 118	1½" 40	1½" 40	26 12
A.102	180,000	52	890 4	1750 7.9	3" 80	29¼" 743	20¾" 527	3 3/8" 86	4 5/8" 118	1½" 40	1½" 40	44 20
A.103	260,000	76	1300 6	1750 7.9	3" 80	35¼" 895	26¾" 679	3 3/8" 86	4 5/8" 118	1½" 40	1½" 40	53 24
A.104	380,000	111	1900 8.6	1750 7.9	3" 80	41¼" 1048	32¾" 832	3 3/8" 86	4 5/8" 118	1½" 40	1½" 40	60 27
A.105	300,000	88	1505 6.8	3500 15.8	4" 100	31½" 800	19½" 495	4 3/8" 111	4 5/8" 118	2½" 65	2½" 65	53 24
A.106	500,000	146	2510 11.4	3500 15.8	4" 100	37½" 953	25½" 648	4 3/8" 111	4 5/8" 118	2½" 65	2½" 65	57 26
A.107	850,000	249	4280 19.4	3500 15.8	4" 100	49½" 1257	37½" 953	4 3/8" 111	4 5/8" 118	2½" 65	2½" 65	71 32
A.108	500,000	146	2510 11.4	5800 26.2	5" 125	32" 813	19" 483	4 7/8" 124	5¾" 146	3" 80	3" 80	60 27
A109	800,000	234	4020 18.2	5800 26.2	5" 125	38" 965	25" 635	4 7/8" 124	5¾" 146	3" 80	3" 80	71 32
A.110	1,200,000	352	6020 27.3	5800 26.2	5" 125	50" 1270	37" 940	4 7/8" 124	5¾" 146	3" 80	3" 80	88 40
A.111	1,400,000	410	7040 31.9	8000 36.2	6" 150	41½" 1054	24" 610	5¾" 146	5¾" 146	4"(100) NP.6	4"(100) NP.6	115 52
A.112	1,800,000	527	9050 41	8000 36.2	6" 150	47½" 1206	30" 762	5¾" 146	5¾" 146	4"(100) NP.6	4"(100) NP.6	123 56
A.113	2,200,000	644	11.060 50.1	8000 36.2	6" 150	53½" 1359	36" 915	5¾" 146	5¾" 146	4"(100) NP.6	4"(100) NP.6	141 64

NOTE: OUTPUTS BASED ON PRIMARY 180–160° F, (82–71° C)

SPECIFICATION

Shell:	Mild Steel or Stainless
Tubes:	Copper or Stainless
Tubeplate:	Bronze faced or Stainless
Header:	Cast iron or Stainless



TYPICAL INSTALLATION

DESIGN

	Primary	Pool
Working Pressure.	33 p.s.i.	33 p.s.i.
	2.27 bar	2.27 bar
Test Pressure.	50 p.s.i.	50 p.s.i.
	3.45 bar	3.45 bar

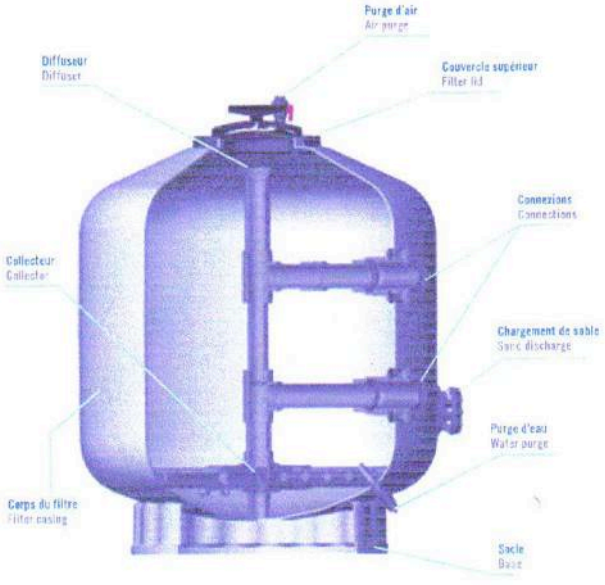
CHEMICAL DOSING SHOULD BE AFTER THE POOL CALORIFIER.

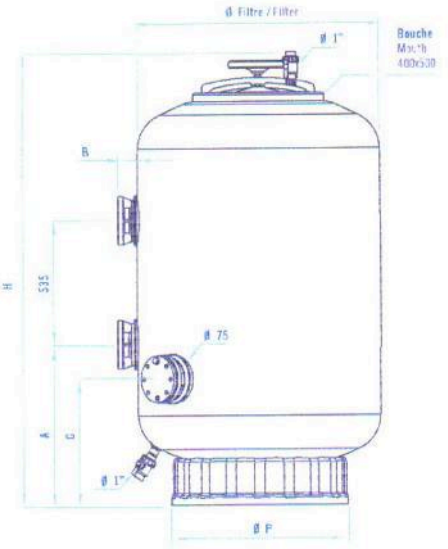
4/95

AQUATHERM

CXS Heat Transfer Ltd.
Racecourse Road • Pershore • Worcestershire • WR10 2EY
(01386) 555250 / 552251 (01386) 561948
www.cxsheattransfer.co.uk

Caractéristiques techniques
Technical characteristics





Codification des filtres industriels

La structure du code du filtre est composée de 8 chiffres. Les cinq premiers chiffres appartiennent au code du filtre et les trois derniers correspondent au modèle; ceux-ci figurent dans le tableau suivant :

Coding for industrial filters

The filter code structure is composed of eight digits. The first five digits correspond to the filter code and the last three to the model. which apper according to the charts.

Position / Position	1	2	3	4	5	-	6	7	8

Position de 1 à 5 : code de 5 chiffres du produit standard.

Position 1 to 5: 5-figure code for standard products

Position 6 / Position 6 Options de plaque et vinylester Nozzle plates and vinylester options		Position 7 / Position 7 Options de trou d'homme Manhole options		Position 8 / Position 8 Options d'indicateur de niveau Sightglass options	
0	Filtre sans plaque Filter without nozzle plate	0	Sans trou d'homme No manholes	0	Sans indicateur de niveau No sightglass
1	Filtre avec plaque Filter with nozzle plate	1	1 trou d'homme de Ø 225 mm 1 ø 225 mm manhole	1	1 indicateur de niveau pour filtre laminé 1 sightglass for laminated filter
2	Finition vinylester Vinylester finish	2	1 trou d'homme de Ø 400 mm 1 ø 400 mm manhole	2	1 indicateur de niveau de Ø 135 mm 1 ø 135 mm sightglass
3	Avec plaque et vinylester With nozzle plate and vinylester	3	2 trous d'homme de Ø 225 mm 2 ø 225 mm manholes	3	2 indicateurs de niveau pour filtre laminé 2 sightglass for laminated filter
		4	2 trous d'homme de Ø 400 mm 2 ø 400 mm manholes	4	2 indicateurs de niveau de Ø 135 mm 2 ø 135 mm sightglass

Drawings

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

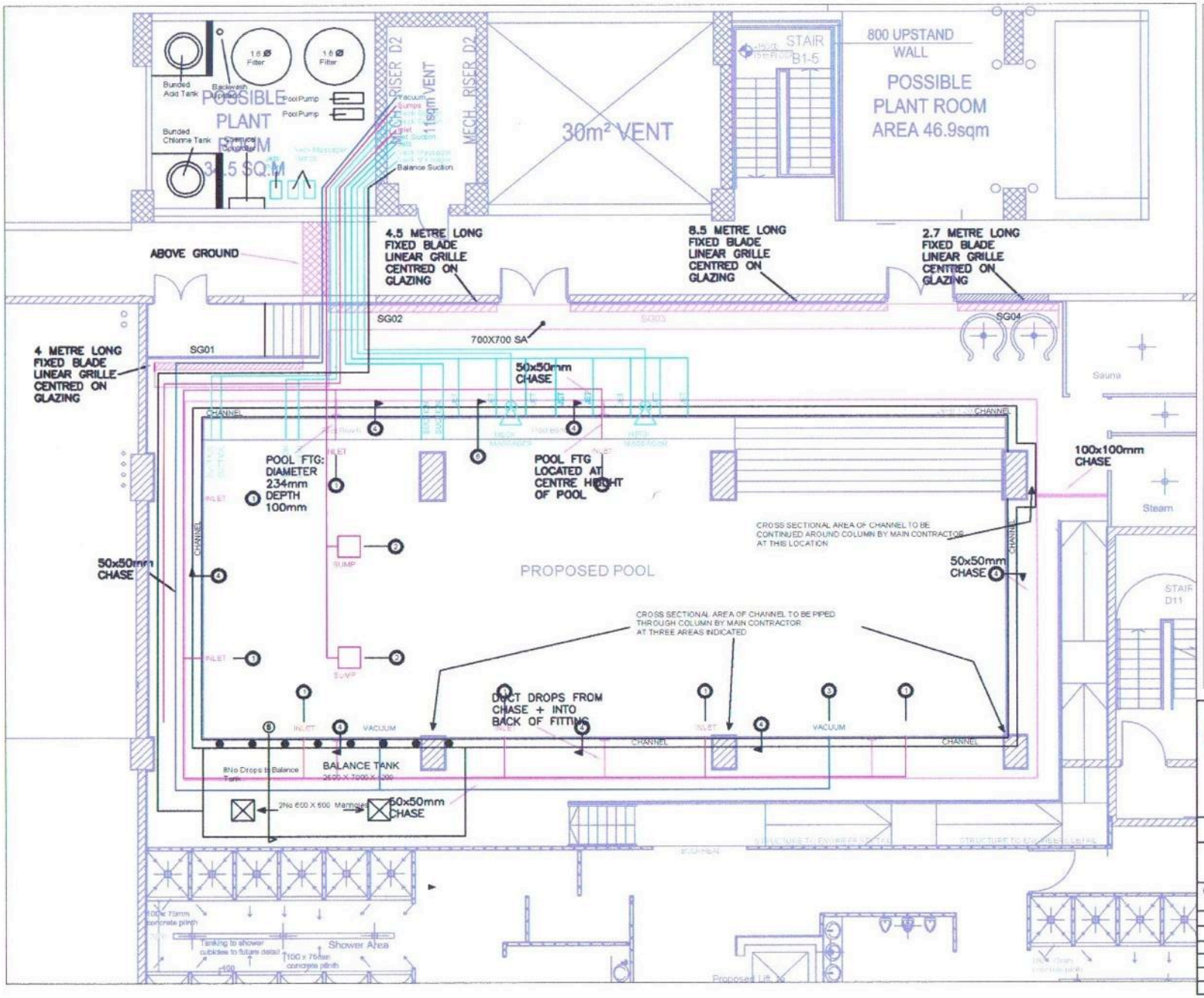
Please send Drawings to Ronan Buckley :

Phone : 01 6279095

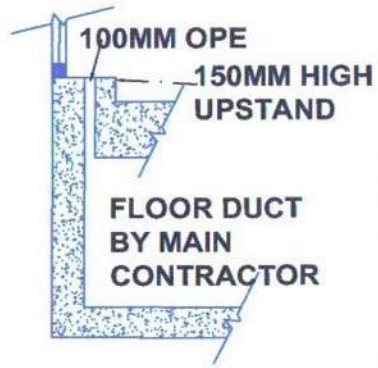
Fax : 01 6279096

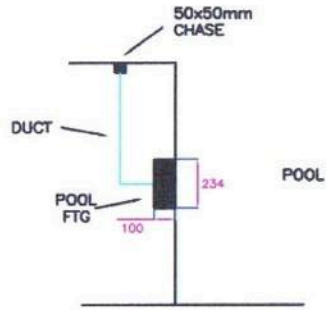
e mail : rbuckley@arka.ie (in Autocad format).

To follow are some typical drawings.



FLOOR DETAIL





DESIGNER GROUP
52 Nore Rd.,Dublin Industrial Estate, Dublin 11
Ph. (01) 8600520 Fax. (01) 8300125
e-mail: info@designergroup.ie

CONSULTANT:	CHECKED:	ARCHITECT:
-	PR	KA

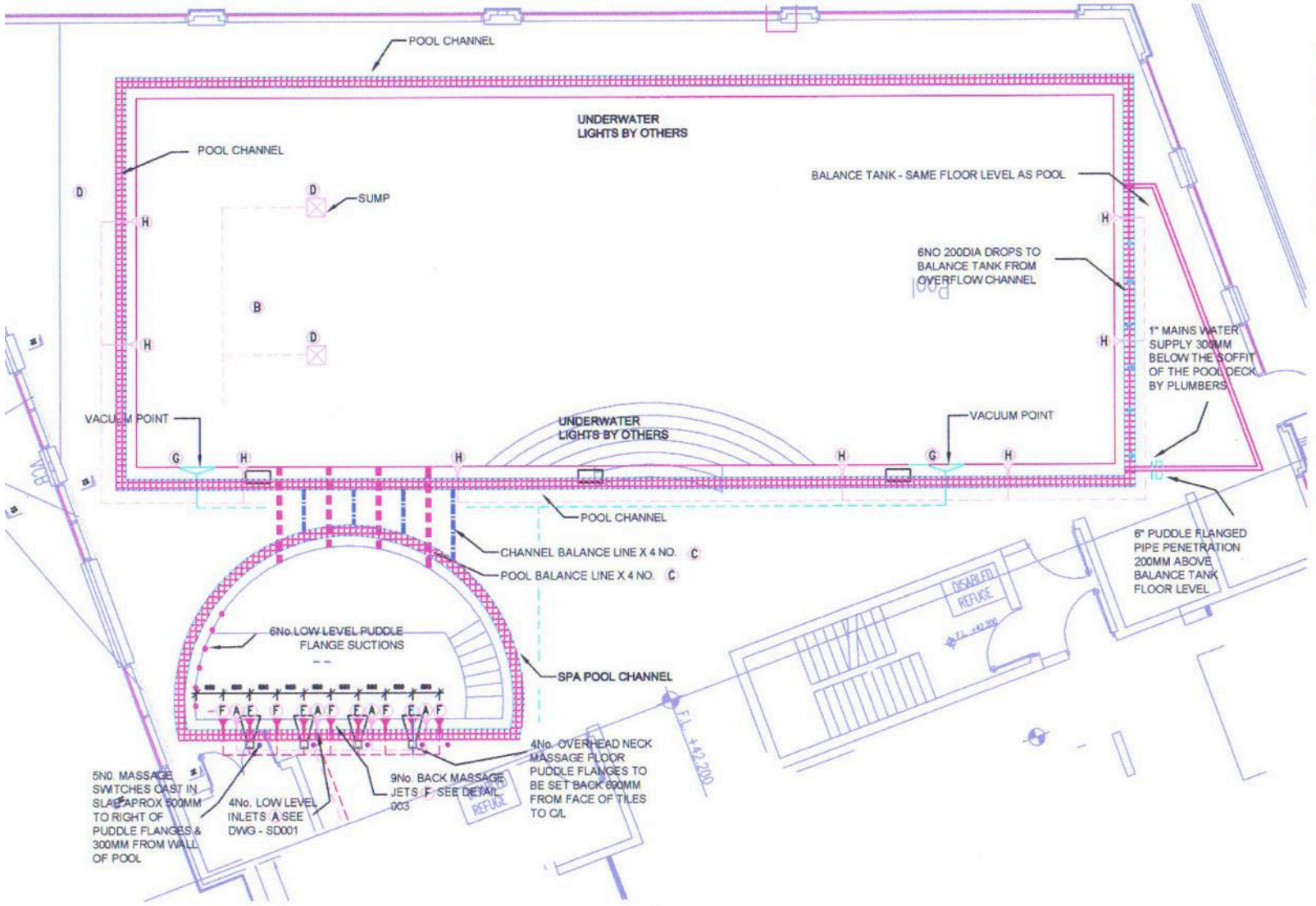
PROJECT: Crunch Beacon SQ

CAD FILE:	DRAWING STATUS:	DATE:
	Preliminary	07-10-08

LEVEL: Ground

TITLE:	REF	
Floor Ducts	FD000	P

4.1



GENERAL NOTES:
1. USE FIGURED DIMENSIONS ONLY. DO NOT SCALE!
2. THIS DRAWING IS FOR INFORMATION PURPOSES ONLY.
3. CONSTRUCTION/STRUCTURAL DETAILING BY OTHERS.
4. ANY ERRORS OR OMMISIONS TO BE NOTIFIED TO ARKA IMMEDIATELY.
5. IF IN DOUBT, ASK!

NOTES:
1. MAIN CONTRACTOR TO PROVIDE 150Ø BACKWASH UPSTAND IN POOL PLANT ROOM.
2. UNDER WATER LIGHTS BY OTHERS. (DETAILS FROM DESIGNER GROUP).
3. SPA LIGHTING TO BE ADVISED BY DESIGNER GROUP.
4. REFER TO DRAWING ARKA SD-001 FOR KEY TO SECTIONS NOTED ON THIS DRAWING (A THRU H)

REVISION NOTES:
1. 2.no EXTRA, LOW LEVEL SUCTION POINTS IN SPA AREA AS SHOWN.
2. 9.no BACK MASSAGER JETS Ø50MM IN SPA SEATING AREA. (SEE SCANNED DETAIL 003)
3. BUILDERS WORKS FOR SET OUT AND POSITIONING OF BACK MASSAGERS SEE SCANNED DETAILS 001 & 002

Rev	Description	Date
4	Construction Issue	30JAN08
3	Construction Issue	15JAN08
2	Issued for Information/Comment	09JAN08
1	Issued for Information/Comment	19DEC07
0	Issued for Information/Comment	10OCT07

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Email: arka@eircom.net

Client: INTERNATIONAL LEISURE

Project Title: PROPOSED LEISURE FACILITY CRUNCH FITNESS CHERRYWOOD

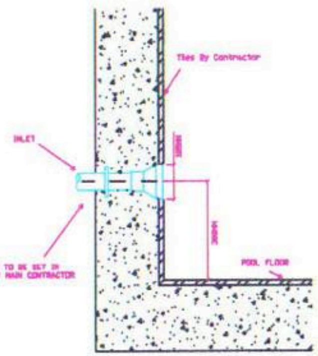
Drawing Title: POOL GA

Drawn	Date	Scale	Dwg No	Rev
DMC/RB	30/01/08	NTS	GA001	4

4.2

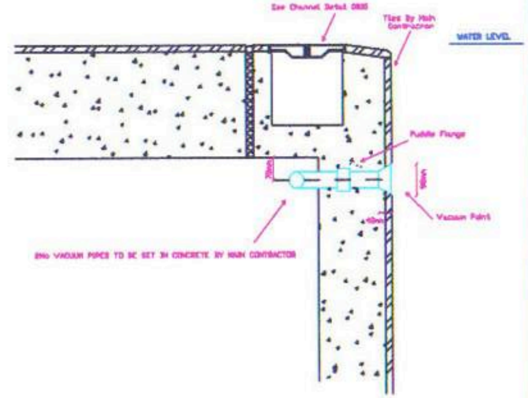
NOTE: ALL CONCRETE DETAILS TO BE AS PER ENGINEER DESIGN

INLET SPREADER
DETAIL 0001



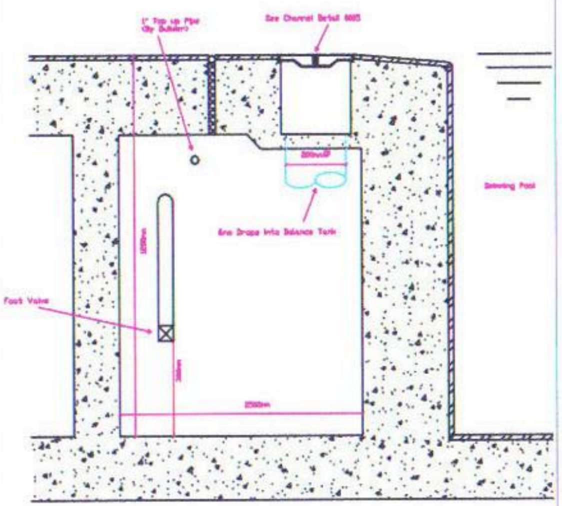
INLETS HANDED OVER BY ARKA AND SET IN CONCRETE BY MAIN CONTRACTOR

VACUUM POINT
DETAIL 0003



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

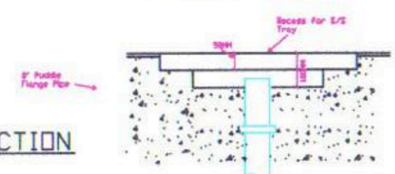
BALANCE TANK SECTION
DETAIL 0005



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

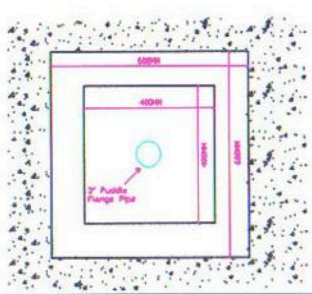
FLOOR SUMP
DETAIL 0002

SECTION

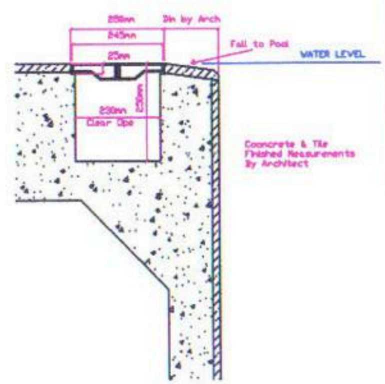


2No PUDDLE FLANGED PIPES HANDED OVER BY ARKA AND SET IN CONCRETE BY MAIN CONTRACTOR

PLAN

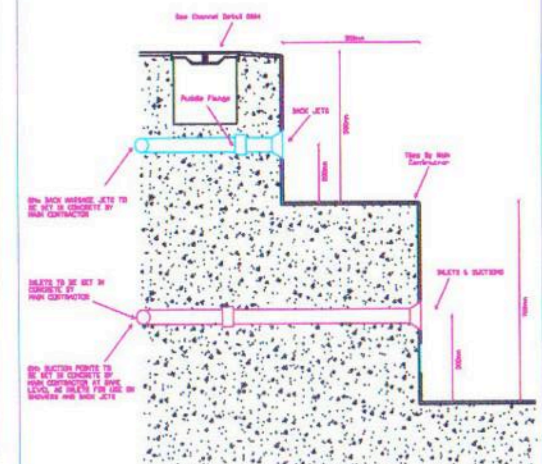


CHANNEL DETAIL
DETAIL 0004



CHANNEL TO BE SET IN CONCRETE BY MAIN CONTRACTOR

SECTION THROUGH SPA SEAT
DETAIL 0006



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Notes

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Rev	Revision/Issue	Date
2	Construction Issue	23/10/08
1	Construction Issue	13/10/08
0	Design Issue	01/09/08

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E-mail: info@arka.ie

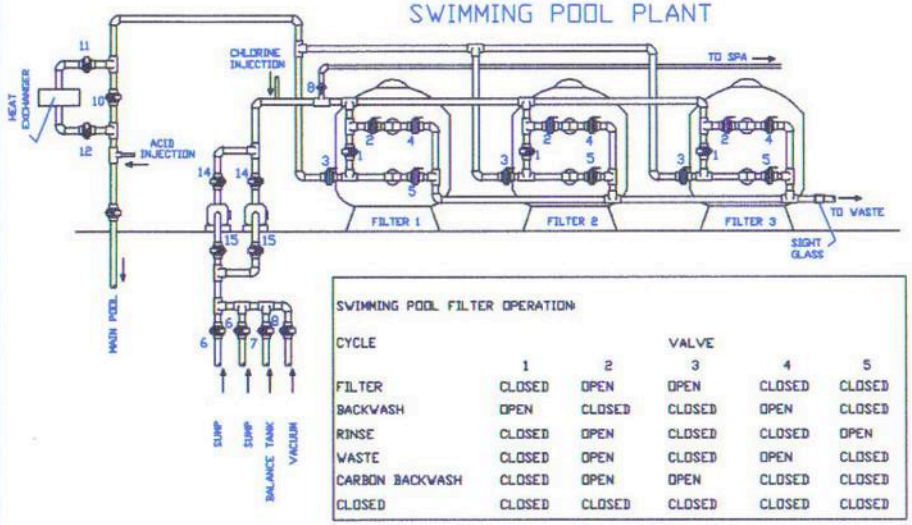
Client: International Leisure Group

Project Title: Crunch Beacon

Drawing Title: Section Details

4.3

SWIMMING POOL PLANT



SWIMMING POOL FILTER OPERATION:

CYCLE	VALVE 1	2	3	4	5
FILTER	CLOSED	OPEN	OPEN	CLOSED	CLOSED
BACKWASH	OPEN	CLOSED	CLOSED	OPEN	CLOSED
RINSE	CLOSED	OPEN	CLOSED	CLOSED	OPEN
WASTE	CLOSED	OPEN	CLOSED	OPEN	CLOSED
CARBON BACKWASH	CLOSED	OPEN	OPEN	CLOSED	CLOSED
CLOSED	CLOSED	CLOSED	CLOSED	CLOSED	CLOSED

SWIMMING POOL OPERATION:

BACKWASH INSTRUCTIONS (Backwash each filter seperately)

1. Switch off pumps
2. Close Valve 7
3. Set the valves for all filters as indicated in the operating chart for BACKWASH.
4. Switch on pump. Check stream dirt in the multiport sights. Keep backwashing until sight glass clears
5. Switch off pumps

RINSE INSTRUCTIONS (AFTER BACKWASH)

1. Set the valves for RINSE.
2. Switch on pump. keep working for 1min aprox.
3. Switch off pump

RETURN TO FILTERING:

1. Return filtering valves to filtering mode.
2. Proceed to top up the pool until water level reaches the overflow channel.
3. Open 7.
4. Switch on pumps.

IMPORTANT NOTES:

1. Always switch off pumps prior to operating valves.
2. Clean pumps 'strainer basket' lid, seal and casing regularly.
   Close pump isolation valves (14 & 15 for pool; No's 1, 2 & 9 and 3 & 6 for spa) prior to opening
4. Air bleed filters regularly.
5. Close chemical water sample valves prior to backwash. Always close Return Valve (12) before Inlet Valve (11) to avoid draining sample tank. Also open inlet before return when setting up again.

SPA OPERATION

BACKWASH INSTRUCTIONS

1. Switch off pumps
2. Close Valves 3 and 4.
3. Open 7, Valve 2 should be open when proceeding from normal use. Otherwise open now.
4. Select BACKWASH in the multiport valve.
5. Open 9.
6. Switch on filter pump. Check stream dirt in the multiport sight. Keep backwashing until sight glass clears.
7. Switch pump off.

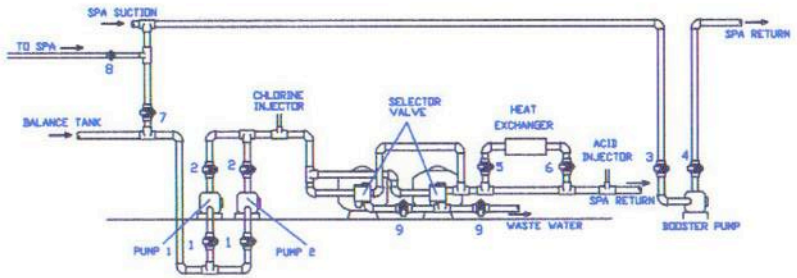
RINSE INSTRUCTIONS (AFTER BACKWASH)

1. Set RINSE in the multiport valve.
2. Switch on filter pump. Keep working for 30 seconds aprox.
3. Switch off pump

RETURN TO FILTERING: (TO TOP UP)

1. Return valves to filtering position: open 1 and 3. Make sure 6 is open. Select FILTER in the multiport valve.
2. Proceed to top up the Spa: make sure the swimming pool is working in filtering; close 9 and open 8. The water level in the spa will rise. Close 8 when it reaches the overflow channel.
3. Switch on Pumps.

SPA PLANT



General Notes

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Notes

1.
2.
3.

Rev	Revision/Issue	Date

ARKA ENGINEERING
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Celbridge, Co. Kildare
Ireland

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E-mail: info@arka.ie

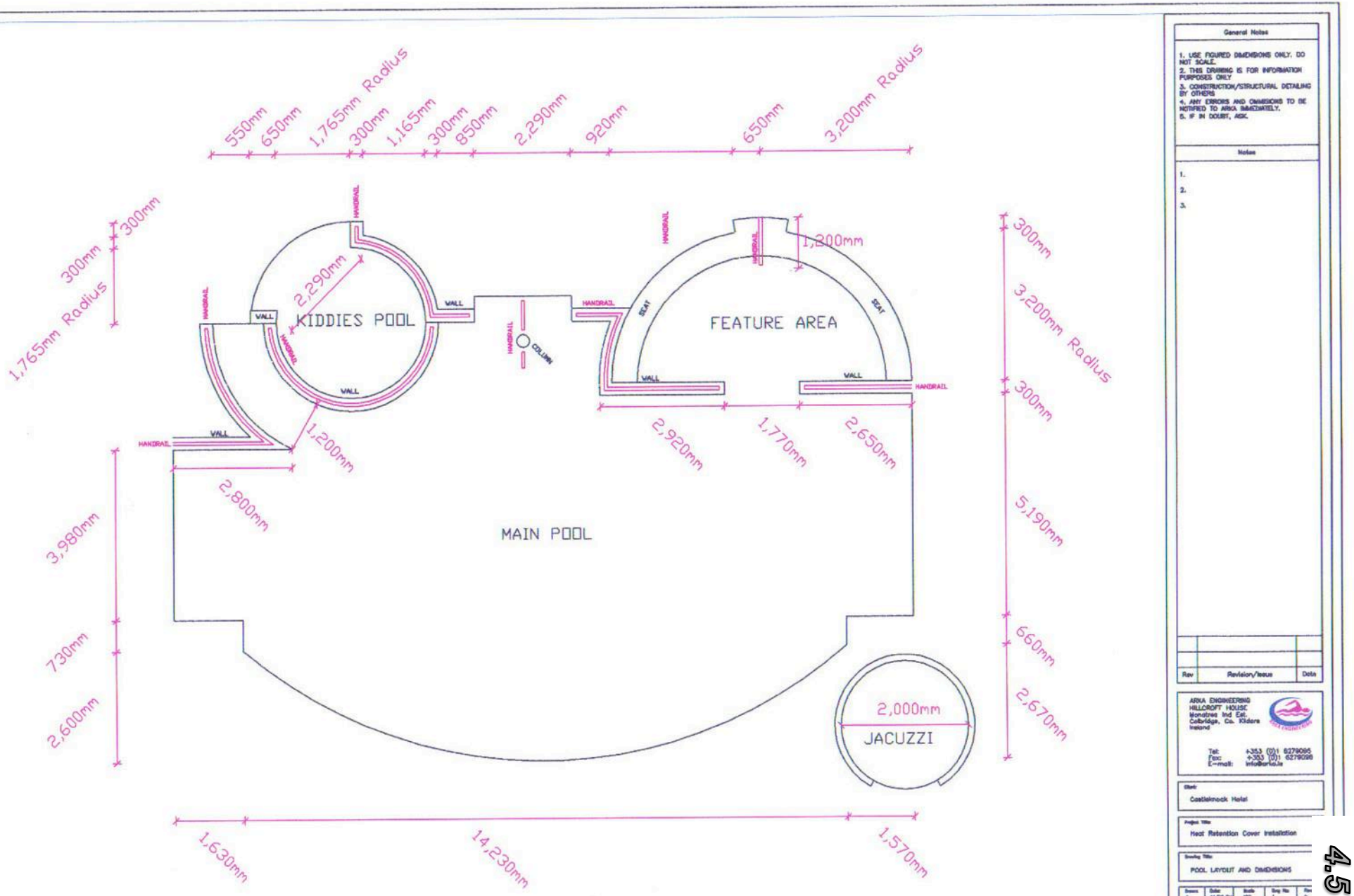
Client: ???????????

Project Title: ???????????

Drawing Title: ???????????

Drawn	Date	Scale	Dwg No	Rev
????	????	????	????	????

4.4



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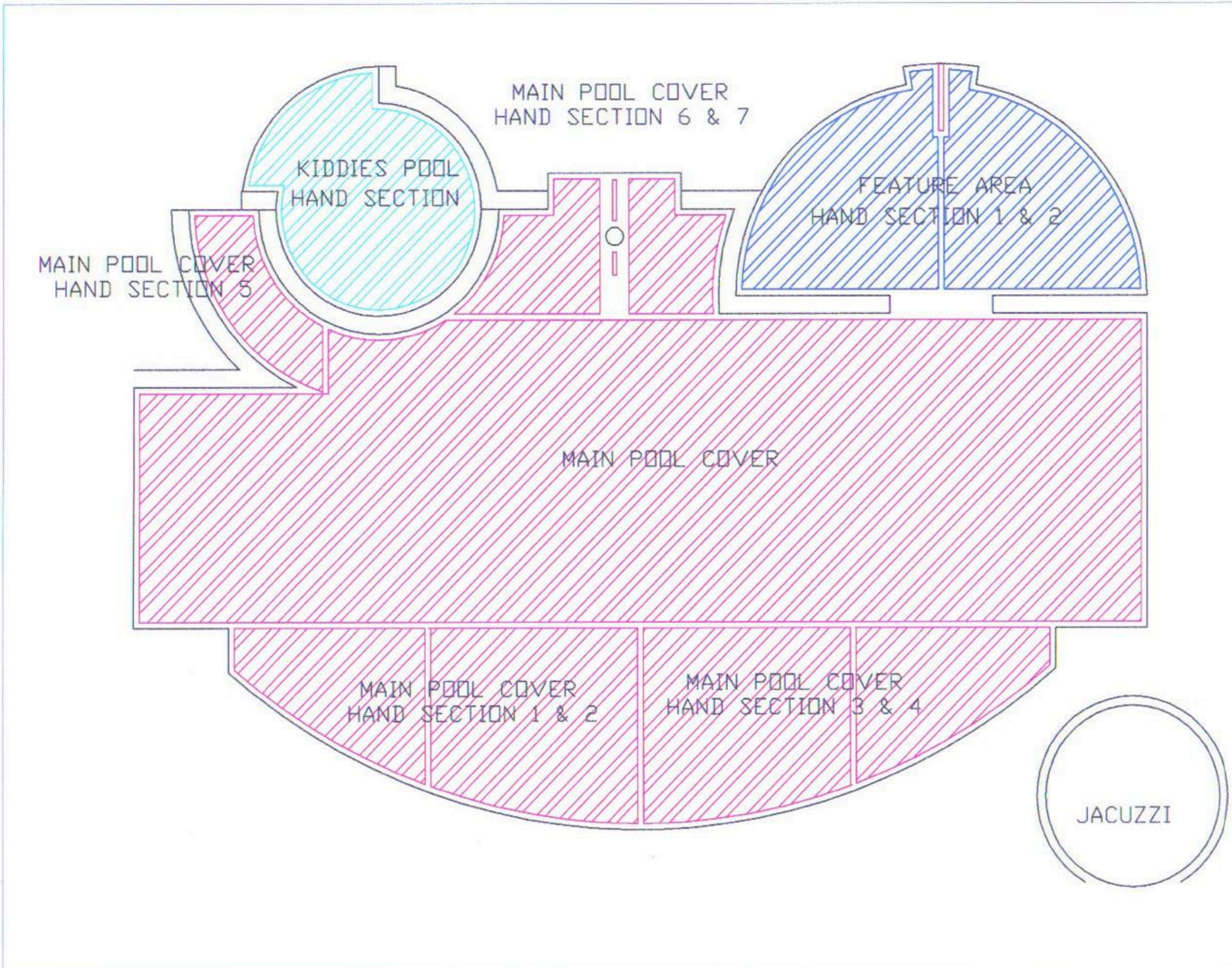
Client: Castleknock Hotel

Project Title: Heat Retention Cover Installation

Drawing Title: POOL LAYOUT AND DIMENSIONS

Drawn: ch | Date: 15/05/11 | Scale: NTS | Dwg No: 1 | Rev: P



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Notes

1.
2.
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Rev	Revision/Issue	Date
1	TENDER DRAWING	14/06
0	TENDER DRAWING	10/05

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Castleknock Hotel

HEAT RETENTION COVER INSTALLATIO

PROPOSED COVER LOCATIONS