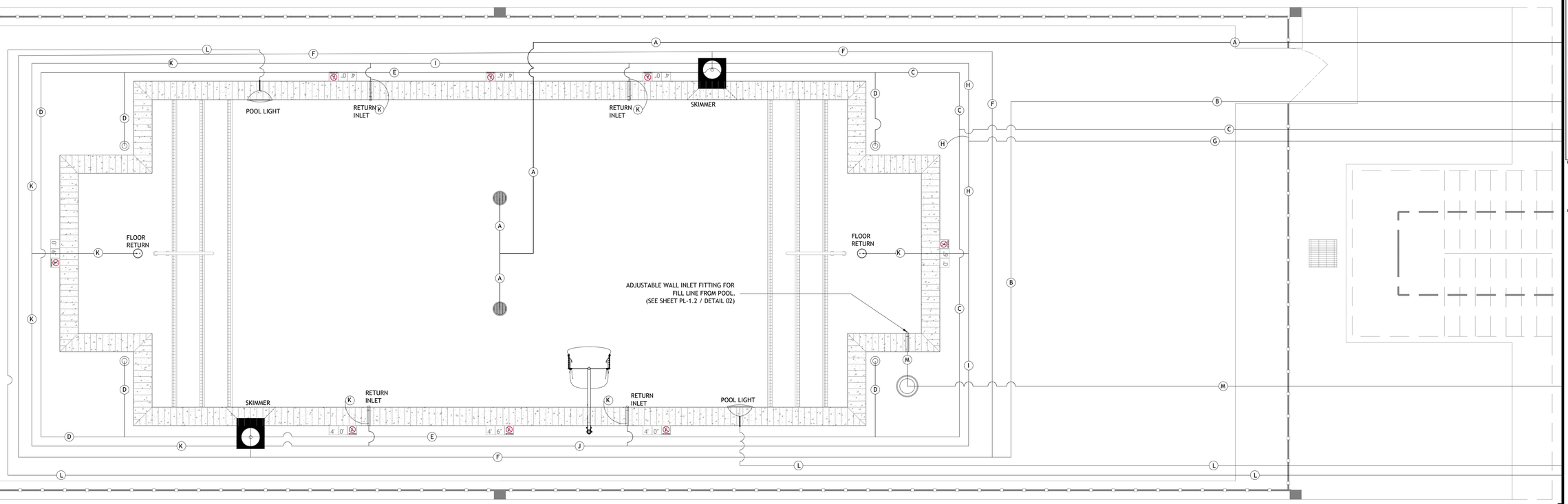

01 PL-1.1 POOL PLUMBING LAYOUT PLAN

SCALE: 3/8" = 1'-0"

POOL DESIGN DATA

WATER VOLUME =	17,294 GALLONS
POOL TURNOVER RATE @92.8 GPM =	3.1 HOURS
TOTAL TURN OVER RATE @116 GPM =	2.48 HOURS
TOTAL DESIGN FLOW RATE =	116 GPM
WATER SURFACE AREA =	698 SQ. FT.
POOL PERIMETER =	125 LN. FT.
DESIGN HEAD LOSS =	75 FT.
MAXIMUM BATHER LOAD =	27 PERSONS

GENERAL NOTES

1. ALL PLUMBING SHALL BE TESTED IN FULL ACCORDANCE WITH LAC TITLE 51 CODE, AND SHALL REMAIN UNDER UNDER PRESSURE.
2. REFERENCE PLAN SHEET PL-1.4 / PIPING SCHEMATIC, AND SHEET PL-1. / DETAIL15 FOR PIPING TO POOL EQUIPMENT ROOM.
3. ALL MAIN DRAIN AND SKIMMER SUCTION LINES ARE SIZED TO ACCOMMODATE THE RECIRCULATION RATE FOR BOTH THE DECK JETS AND ALL POOL RETURN INLETS INCLUSIVE.
4. OVERFILL LINE FROM POOL TO BE INDIRECTLY CONNECTED TO THE EXISTING STORM DRAIN SYSTEM, AND TO HAVE A CHECK VALVE INSTALLED WITHIN THE LINE TO PREVENT UNWANTED BACKFLOW INTO THE POOL.
5. THE POOL EQUIPMENT ROOM IS EXISTING, AND IS EXHAUSTED TO THE OUTSIDE ATMOSPHERE.

PIPE SCHEDULE WITH JETS

PIPE ID	DESCRIPTION	SIZE	TYPE	FLOW RATE	VELOCITY
A	MAIN DRAIN SUCTION	3.0 INCH	SCH 40 PVC	116.00 GPM	5.26 FPS
B	SKIMMER SUCTION	2.5 INCH	SCH 40 PVC	58.00 GPM	3.79 FPS
C	W. F. RETURN (FEEDS 4 FEATURES)	1.5 INCH	SCH 40 PVC	23.20 GPM	4.21 FPS
D	W.F. RETURN (FEEDS 1 FEATURE)	1.0 INCH	SCH 40 PVC	05.80 GPM	2.37 FPS
E	W.F. RETURN (FEEDS 2 FEATURES)	1.0 INCH	SCH 40 PVC	11.60 GPM	4.74 FPS
F	SKIMMER SUCTION	2.0 INCH	SCH 40 PVC	67.00 GPM	6.80 FPS
G	INLET RETURN (FEEDS 6 INLETS)	2.5 INCH	SCH 40 PVC	92.80 GPM	6.07 FPS
H	INLET RETURN (FEEDS 4 INLETS)	2.0 INCH	SCH 40 PVC	61.87 GPM	6.32 FPS
I	INLET RETURN (FEEDS 3 INLETS)	2.0 INCH	SCH 40 PVC	46.40 GPM	4.74 FPS
K	INLET RETURN (FEEDS 1 INLET)	1.5 INCH	SCH 40 PVC	15.47 GPM	2.81 FPS
J	INLET RETURN (FEEDS 2 INLETS)	1.5 INCH	SCH 40 PVC	30.93 GPM	5.62 FPS
L	ELECTRICAL CONDUIT	1.0 INCH	SCH 40 HDPE	N/A	N/A
M	SUPPLY LINE	1.0 INCH	SCH 40 PVC	N/A	N/A

PIPE SCHEDULE WITHOUT JETS

PIPE ID	DESCRIPTION	SIZE	TYPE	FLOW RATE	VELOCITY
C	W. F. RETURN (FEEDS 4 FEATURES)	1.5 INCH	SCH 40 PVC	0.00 GPM	0.00 FPS
D	W.F. RETURN (FEEDS 1 FEATURE)	1.0 INCH	SCH 40 PVC	0.00 GPM	0.00 FPS
E	W.F. RETURN (FEEDS 2 FEATURES)	1.0 INCH	SCH 40 PVC	0.00 GPM	0.00 FPS
G	INLET RETURN (FEEDS 6 INLETS)	2.5 INCH	SCH 40 PVC	92.80 GPM	6.07 FPS
H	INLET RETURN (FEEDS 4 INLETS)	2.0 INCH	SCH 40 PVC	61.87 GPM	6.32 FPS
I	INLET RETURN (FEEDS 3 INLETS)	2.0 INCH	SCH 40 PVC	46.40 GPM	4.74 FPS
K	INLET RETURN (FEEDS 1 INLET)	1.5 INCH	SCH 40 PVC	15.47 GPM	2.81 FPS
J	INLET RETURN (FEEDS 2 INLETS)	1.5 INCH	SCH 40 PVC	30.93 GPM	5.62 FPS

FILE: –

XREFS: –

RCI
LANDSCAPE • MAINTENANCE • CONSTRUCTION
894 ROBERT BOULEVARD
SLIDELL, LOUISIANA 70458
PH. 985-643-2427
FAX 985-643-2691
RROTOLO@ROTOLOCONSULTANTS.COM

APARTMENT HOMES BY TONTI
PATIO VILLA POOL RENOVATION
3340 NORTH ARNOULT ROAD, METAIRIE, LA

Copyright 2016 © Rotolo Consultants Inc.
These drawings or parts thereof, may not be reproduced in any form, by any method, for any purpose, without prior written consent from Rotolo Consultants Inc.

Contact: Rod Rotolo 985.643.2427

Project No:

Revisions:

No:	Date:	Description:
REV 1	6/14/16	COMMENT LTR REVS.
REV 2	8/8/2016	COMMENT LTR REVS.

Date: 3/30/2016

Drawn: TJH

Checked: MR

Sheet Title:

POOL PLUMBING LAYOUT PLAN

Drawing No.

PL-1.1

Sheet No.

4 of: 7