



NESPA
TILED SPAS

Production Booklet

for

Bruce Hill SPA

2800 Richter Ave. Suite C, Oroville, CA 95965 • **voice:** (530)534-9910
fax: (530)534-9915 • **email:** sales@tiledspas.com • **website:** www.tiledspas.com



RECOMMENDED MAINTENANCE

Please Note:

These are only recommended guidelines to care for a Nespa all tiled spa. Local codes may require additional procedures, therefore consult with a pool professional that is LA county Health Department certified for more information on local codes and requirements.

SPA SURFACE

Your spa tile is acid resistant and frost-proof. The Tile does not absorb germs or algae. Tile does not stain and is very easy to clean. Color does not fade or lose its luster. All grouts are epoxy based and are extremely durable. To remove scum line use soft nylon brush and small amounts of biodegradable soaps. Do not use abrasive brushes or chemicals.

MAINTENANCE

A. CHEMICALS:

- 1) It is important to maintain a chlorine residual of 2 PPM in the spa. That residual can be provided by chlorine or bromine.
- 2) It is recommended to use Bromine or dichlor (granular) forms of chlorine. If bromine Tabs are used we suggest floating or inline dispenser.
- 3) Never use acid to lower Ph in the tile spa.
- 4) Never use trichlor chlorine (1" or 3") tablets in the Nespa spas.
- 5) Never place tablets in skimmer basket.

B. DRAINING THE SPA:

- 1) It is recommended to drain the spa at least once every 2 months depending on bath load and water clarity.
- 2) The spa should be drained through valve exiting re-circulation pump in the spa equipment room or sump pump.
- 3) Note: Use caution to drain spa in the winter months or rainy season when water table is at its highest. It is possible for the spa to float due to hydraulic pressure from surrounding water table. We advise that you consult with your local spa specialist prior to draining the spa.

C. SPA EQUIPMENT:

- 1) Clean filter cartridge at least once every month, or when needed; i.e., if water clarity does not improve after several days.
- 2) Keep area free and clear from leaves and debris build-up.
- 3) Keep area free and clear from flooding.

D. SPA LIGHT:

- 1) Spa light has to be on GFCI circuit. It is controlled at spa side with ON/OFF.

E. TILE SERVICING:

- 1) Contact manufacture when servicing tile or grout. @ (530) 534-9910

LEGACY 10'


SPECIFICATIONS	
SHELL WEIGHT:	2800 LBS.
WATER WEIGHT:	5321 LBS.
TOTAL SHELL & WATER WEIGHT:	8120.6 LBS.
WATER VOLUME:	108 Cu.Ft.
MAX WATER GAL:	808 GAL.
SURFACE AREA:	67.1 SQ. FT.
ICC ES LISTED#:	PMG-1161

ANSI / NSPI - 3 - 2014 Compliant


WATERPROOF SKID SUPPORT STRUCTURE ATTACHED TO SPA AT NESPA FACTORY

 *SKIDS SUPPLIED BY NESPA

LIGHT NICHE

 **Nexus -**
White - LED LIGHT,
12 VOLT,
U.L. APPROVED


MAIN DRAIN

 **6" Round Hockey Puck**
AquaStar 6HPHxxx
Sumpluss Suction Outlet
Floor 177 GPM
Wall 122 GPM
Complies w/ ASME A112.19.8 &
ANSI / APSP-16 for anti-hair
and body entrapment
Suction outlets comply with
ANSI / APSP-7


SKIMMER

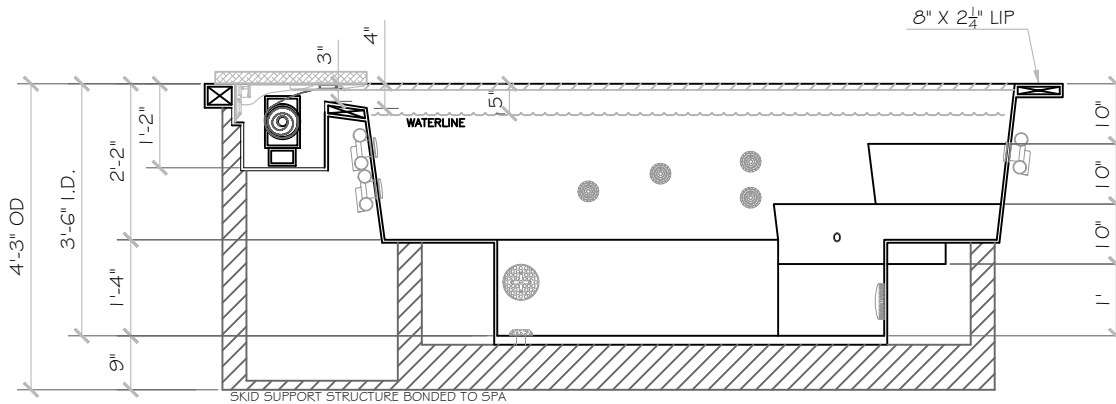
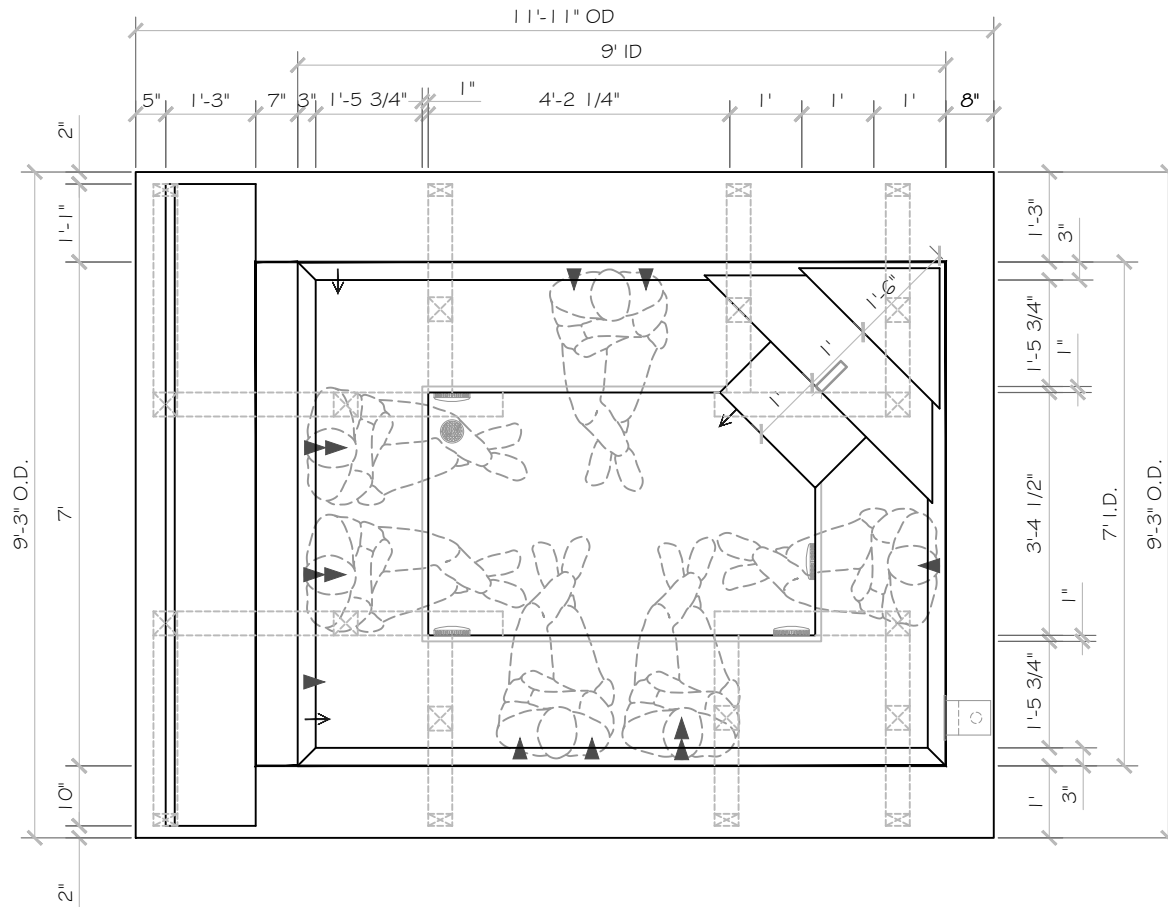
 **FRONT ACCESS SKIMMER,**
NSF APPROVED

JET

 **HYDRO INLETS**
1-1/2" WATER - 1-1/2" AIR
HYDROAIR #10-5100
COMPLIES W/ ANSI CODE ASME A112.19.8-07
UL APPROVED

RETURN

 **INLET FITTINGS**
1-1/2" WALL TYPE W/ EYEBALL
HYDROAIR #10-3500
COMPLIES W/ ANSI CODE ASME A112.19.8-07
UL APPROVED



Auto-Cover
Color:
BROWN

APPROVED

ALL DIMENSIONS SUBJECT TO 1/4" TOLERANCES

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Office: (530) 534-9910

Fax: (530) 534-9915

E-Mail: jim@tiledspas.com Web Site: www.tiledspas.com



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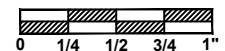
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BRUCE HILL

SCALE

3/8" = 1'



DATE

12/21/2016

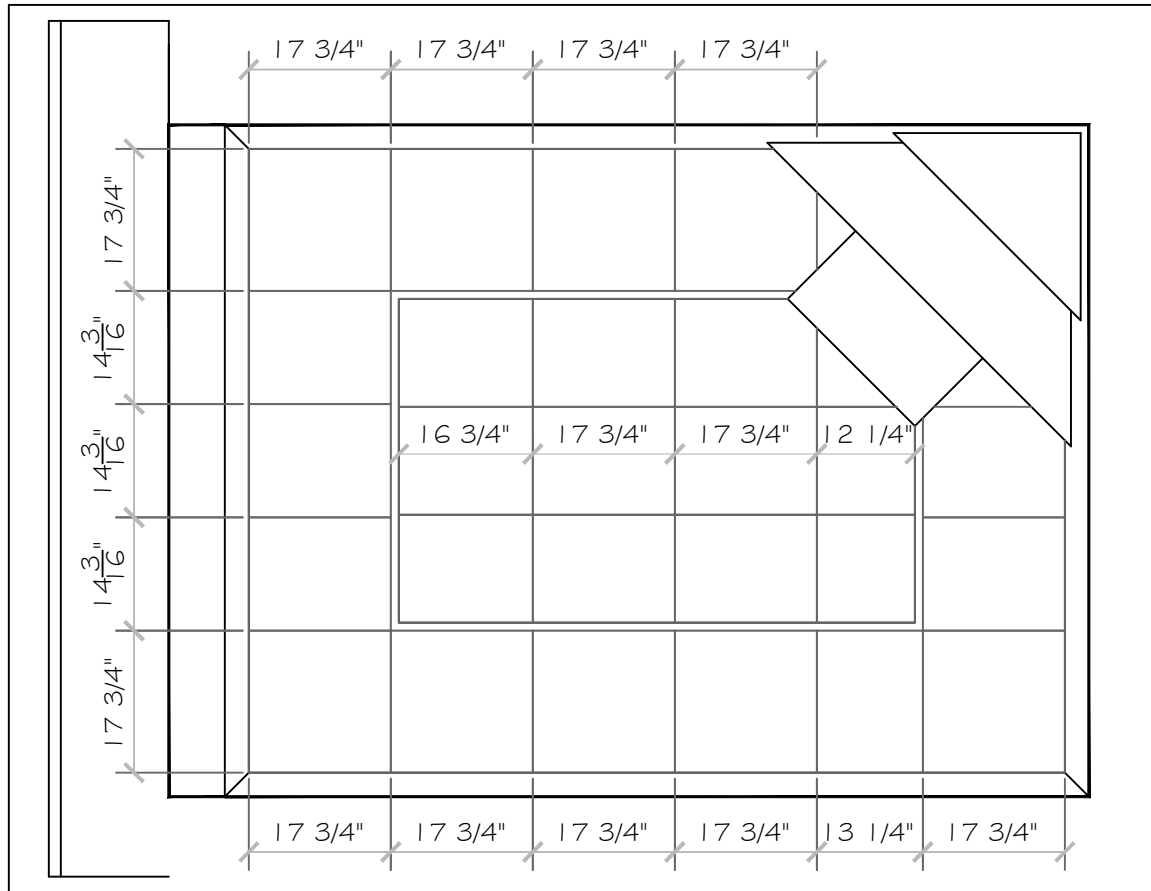
DWG TYPE

SD

SHEET

PAGE 1 OF 5

DalTile Continental Slate
CS-53 18 X 18



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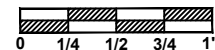
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Office: (530) 534-9910 Fax: (530) 534-9915
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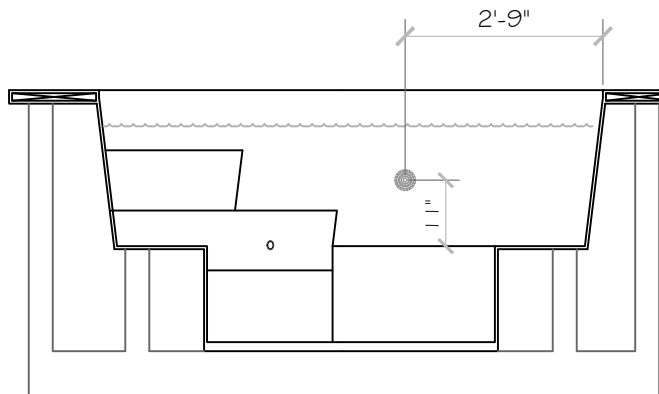
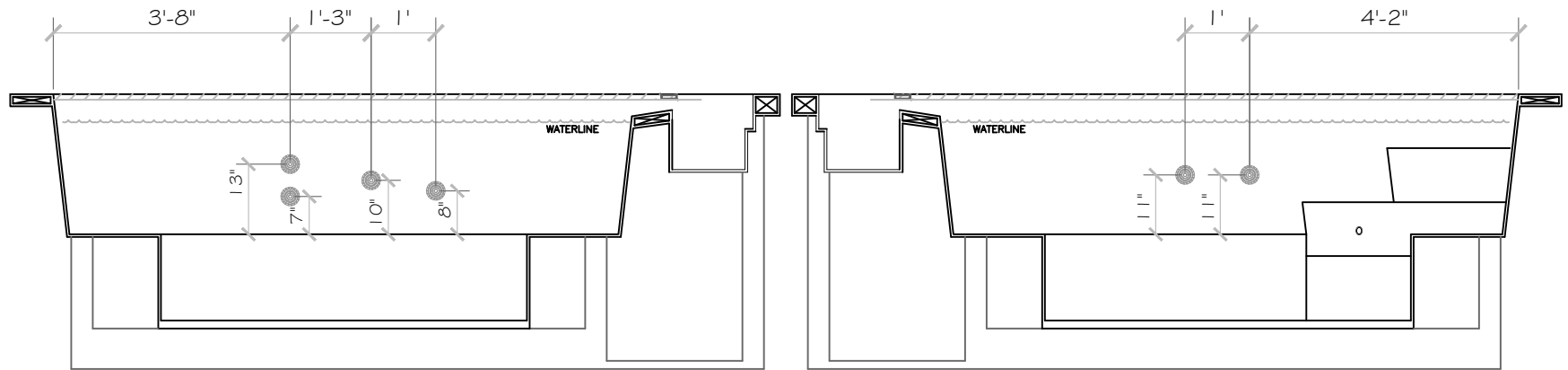
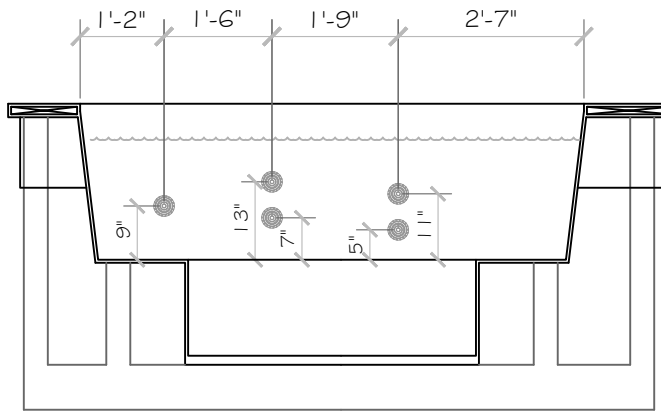
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Tile

DWG NAME
BRUCE HILL

DATE
12/21/2016

SHEET
PAGE 2 OF 5



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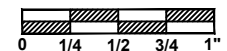


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SCALE
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DATE
 12/21/2016

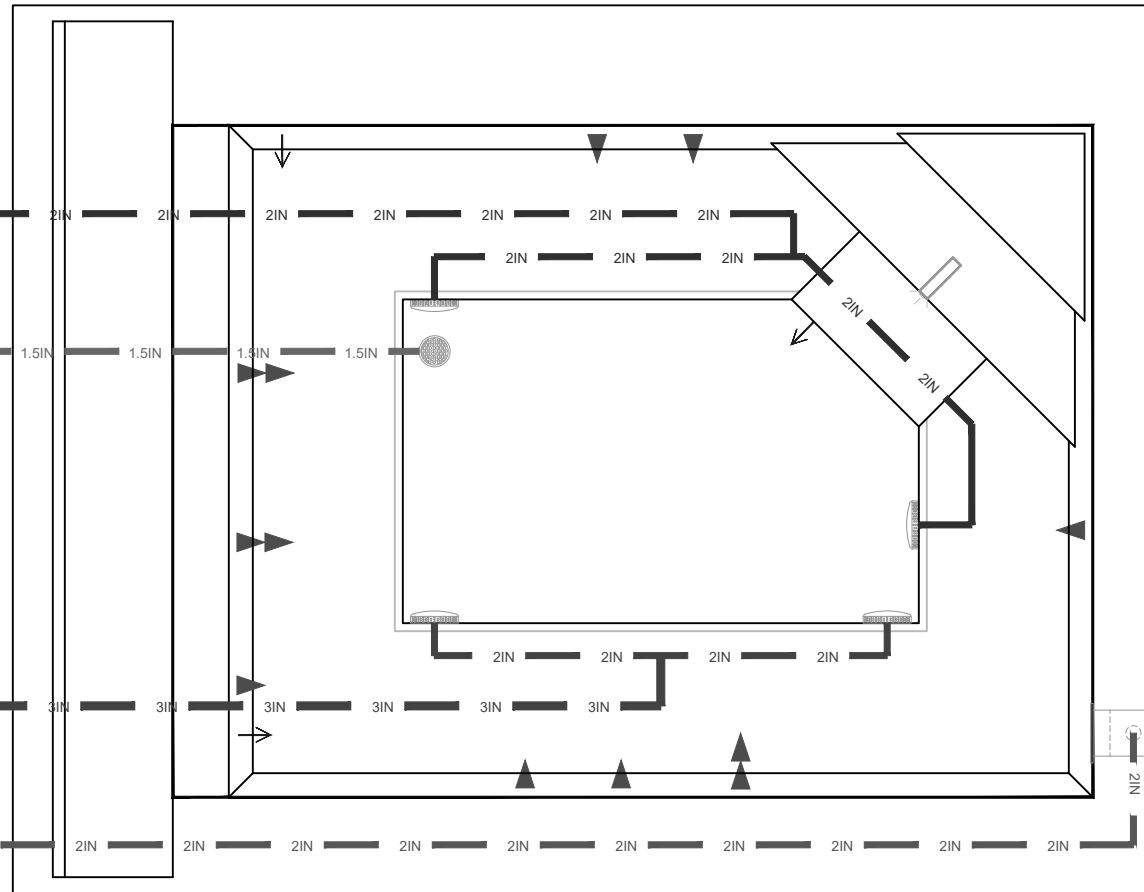
DWG TYPE
 Jet Detail
 SHEET
 PAGE 3 OF 5

2" Circulation Suction

Dedicated Floor Drain

3" Booster Suction

2" Skimmer Suction



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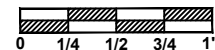
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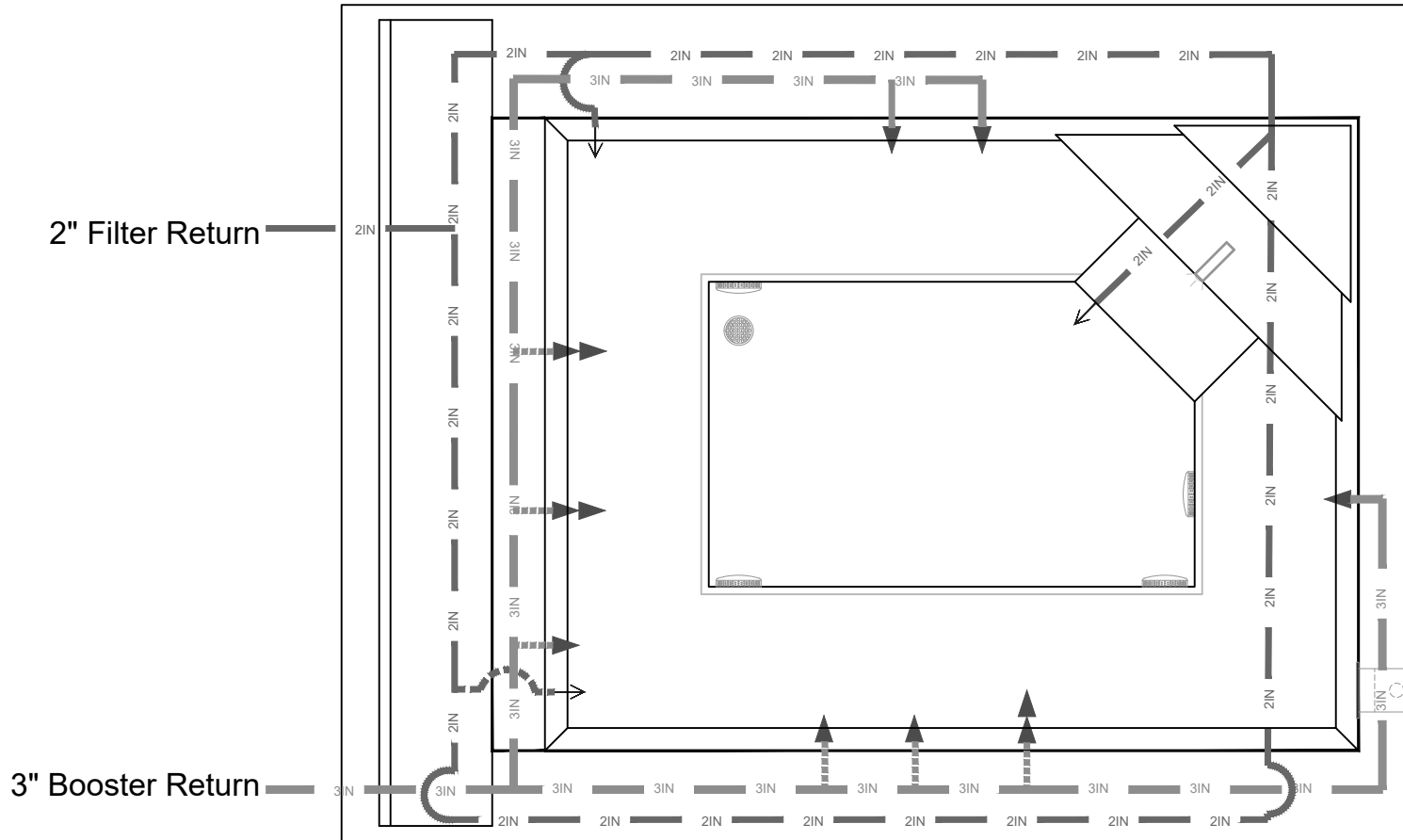


DWG TYPE
Suction Plumbing

DWG NAME
BRUCE HILL

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SHEET
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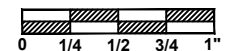
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 2800 Richter Ave. Ste. C Oroville, CA 95966
 Office: (530) 534-9910 Fax: (530) 534-9915
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Page Scaling: None

SCALE
 1/2" = 1'



DWG TYPE
 Return Plumbing

DWG NAME
 BRUCE HILL

DATE
 12/21/2016

SHEET
 PAGE 5 OF 5



1" Light Conduit

2" Filter Suction

Bond Fitting

2" Filter Return

3" Booster Suction

2-1/2" Booster Return

2" Skimmer Suction

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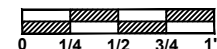


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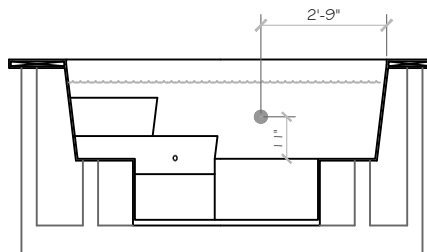
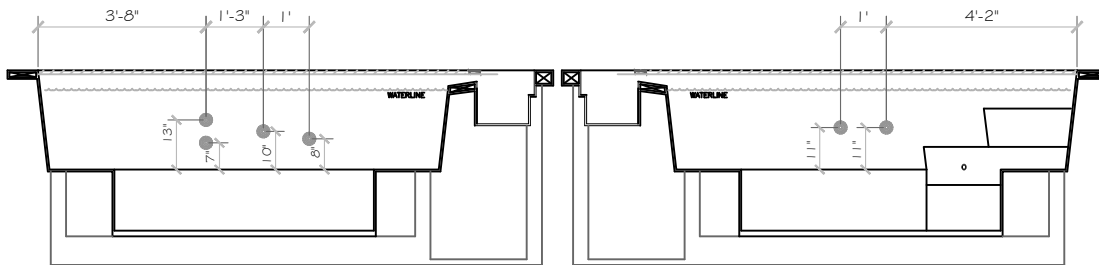
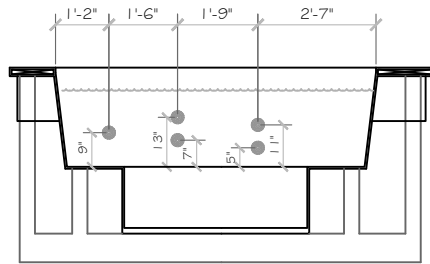
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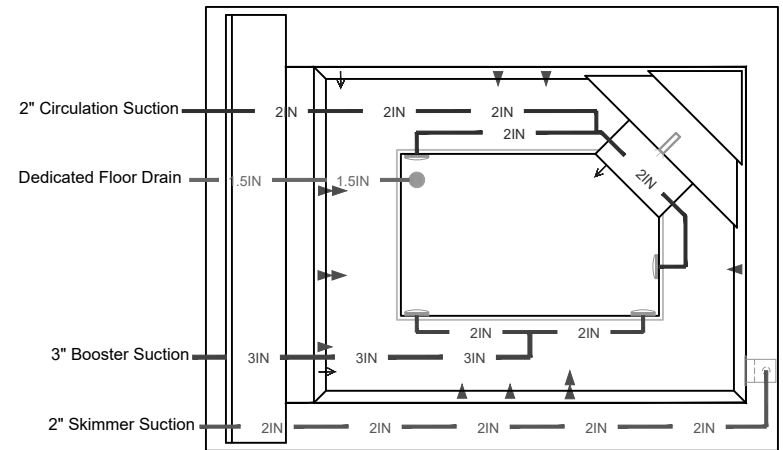
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DWG TYPE
Plumbing ID
SHEET
PAGE 1 OF 1



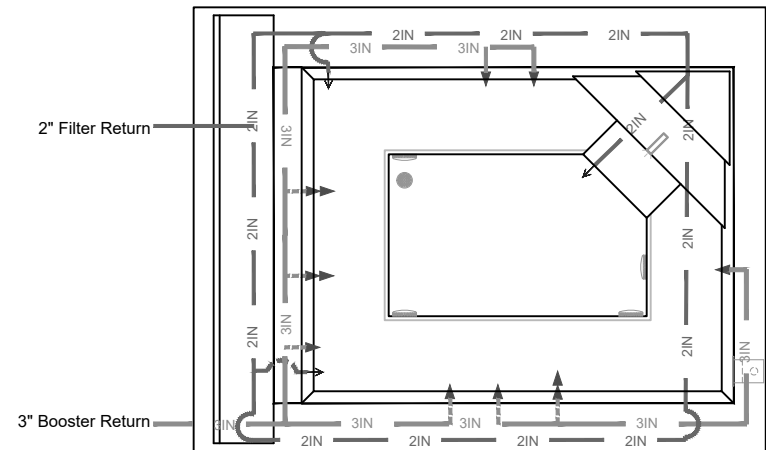
JET DETAIL

APPROVED



SUCTION PLUMBING

SCALE
1/4" = 1'



RETURN PLUMBING

SCALE
1/4" = 1'

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If printing as a PDF		DWG TYPE	
Page Scaling: None	As Noted	Main Drain Detail	
DWG NAME		DATE	SHEET
BRUCE HILL		12/21/2016	PAGE 1 OF 1

6" ROUND HOCKEY PUCK SUMPLESS SUCTION OUTLET COVER, HYDROAIR/ITT REPLACEMENT

VGB Series

The AquaStar line of suction outlet covers, compliant with the Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF/ANSI 50-2009a)

FEATURES

For single or multiple drain use in gunite, steel, fiberglass and tile pools and spas (see installation instructions)

Single – sumpleless

Floor/wall (2" pipe): 224 GPM at 6.3 fps

Floor (1½" pipe): 177 GPM at 5.9 fps

Wall (1½" pipe): 122 GPM at 3.4 fps

Floor/wall: 53.3 GPM at 1.5 fps

Floor/wall: 35.5 GPM at 1.0 fps

10.4 square inch opening

Trademarked VGB compliance button easily identifies VGB 2008 compliant cover from on deck and underwater

#316 stainless steel screws

Manufactured from superior UV-resistant engineered polymers

All components meet or exceed ANSI/APSP 16-2011 and NSF/ANSI 50-2009a national standards and ASTM G154 UV testing exposure

See next page for eight adapter plates sold separately, available for sumpleless connections to 1022s, 1.5" female adapters, 1.5" and 2" inside and outside slip and threads as well as existing HydroAir wall fittings #10-6015S and 10-6304S (both with brass inserts)

Replace every five years from the date of installation

25 per case

No sump required!



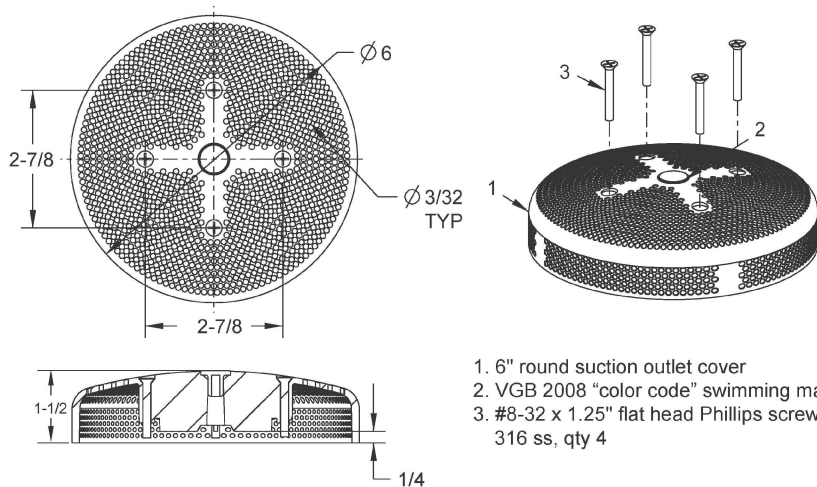
Part # 6HPxxx

STANDARD COLORS

- 6HPHA101 – White
- 6HPHA102 – Black
- 6HPHA103 – Light Gray
- 6HPHA104 – Blue
- 6HPHA105 – Dark Gray
- 6HPHA108 – Tan

Can replace MaxFlow covers used with p/n 6HA25T20Sxxx

VGB 2008 Compliant



Retrofits to Sta-Rite/Pentair #8011 and AquaStar #4RNDxxx equalizer

P 877-768-2717 F 877-276-POOL Outside the US: P +1-805-620-5060 F +1-949-336-1940
info@aquastarpoolproducts.com www.aquastarpoolproducts.com

★★ PROUDLY MADE
★★ IN THE USA

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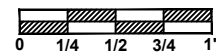


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DWG TYPE

Main Drain

DWG NAME

BRUCE HILL

DATE

12/21/2016

SHEET

PAGE 1 OF 1

ICC-ES PMG Listing

PMG-1161



Effective Date: September 2016

Revision Date: December 19, 2016

This listing is subject to re-examination in one year.

www.icc-es-pmg.org | (800) 423-6587 | (562) 699-0543 A Subsidiary of the International Code Council®

CSI: DIVISION: 13 00 00 – SPECIAL CONSTRUCTION
Section: 13 17 00 – Tub and Pools

Product certification system:

The ICC-ES product certification system includes testing samples taken from the market or supplier's stock, or a combination of both, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the supplier's quality system.

Product: Spa Shell (Tile Lined FRP)

Listee: Nespa Enterprises, Inc.
2800 Richter Avenue, Suite C
Oroville, CA 95966
www.tiledspas.com

Compliance with the following codes:

2015, 2012 and 2009 *International Swimming Pool and Spa Code™* (ISPSC)
2015, 2012 and 2009 *Uniform Swimming Pool, Spa and Hot Tub Code®* (USPSHTC)*

*Uniform Swimming Pool, Spa and Hot Tub Code is a copyrighted publication of the International Association of Plumbing and Mechanical Officials

Compliance with the following standards:

IAPMO/ANSI Z124.7-2013, Prefabricated Plastic Spa Shells
ANSI/APSP/ICC-3 2014, Permanently Installed Residential Spas and Swim Spas (formally ANSI/NSPI-3 2014)

Identification:

Each unit of Spa Shell shall be marked with manufacturer's name or trademark and ICC-ES PMG mark of conformity. Marking shall be permanent and legible so as to be visible after installation. A label shall be permanently affixed to each unit in a visible location and shall include the manufacturer's name and/or trademark, and model designation. Units manufactured as "Shell Only" shall be so identified and labeled. Unit shall be permitted to be marked "IAPMO/ANSI Z124.7" signifying compliance with the standard.

Installation:

Each unit of Spa shell shall be installed in accordance with manufacturer's published installation instructions and applicable codes.

Listings are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the listing or a recommendation for its use. There is no warranty by ICC Evaluation Service, LLC, express or implied, as to any finding or other matter in this listing, or as to any product covered by the listing.



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Page 1 of 2



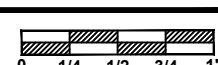
Models:

Acapulco	Legacy 14'	Nespa Pool 1020 GTR
Acapulco II	Legacy 16'	Nespa Pool 1020 SKM
Acapulco III	Legacy 18'	Therapy Pool 1020-2W-CS
Acapulco IV	Legacy 20'	Therapy Pool 1020-2W-Center
6.5' Acapulco	Legacy 6.3' x 10.3' CS	Therapy Pool 1020-2W-ES-2RF
7.5' Acapulco	Legacy 7'4" x 18' CS	Nespa Swim Spa 12'
9' Acapulco	Legacy 8' x 8' CS	Nespa Swim Spa 16'
10' Acapulco	Legacy 8' x 10' CS	Nespa Swim Spa 18'
BERKELEY M	Legacy 8' x 10' CS 46	Nespa Swim Spa 20'
BERKELEY W	Legacy 8' x 12' CS	PAUSADES
Blackthome	Legacy 8' x 14' CS	PISMO POOL
Capri	Legacy 8' x 15' CS	REDWOOD
Caribbean	Legacy 8' x 16' DS	Rimini
Corsica	Legacy 8' x 18' DS	Rimini Commercial
Corsica-Modified	Legacy 8' x 20' DS	Round 7'
6' x 8' Corsica	Legacy 10' x 10' CS	Round 9'
7' x 9' Corsica	Legacy 10' x 12' CS	Round 11'
8' x 10' Corsica	Legacy 10' x 14' CS	6.5' Round
Eight Ft. Round	Legacy 10' x 16' CS	7.5' Round
Imperia	Legacy 10' x 18' CS	8.5' Round
Imperia II	Legacy 10' x 20' CS	Serenity 12'
Kidney	Maxima	Six Ft. Round
Legacy Pool Series	Mirage 9'	Tahoe
Legacy 45	Mirage 11'	Ten Ft. Round
Legacy C	Mirage 13'	Therapy Pool
Legacy DW Series	Mirage 15'	Therapy Pool 1016-15W-CS
Legacy M Series	Mirage 17'	Therapy Pool 1018-2W-CS
Legacy Para	Monaco	Vallarta
Legacy 10'	Nespa Pool Infinity 825	WALDORF
Legacy 12'	Nespa Pool Infinity 1035	

Tile lined, polyester resin reinforced fiberglass spa shells in various colors, sizes, and configurations. May or may not be provided with insulation. All units, whether factory or field assembled, are required to have suction fittings installed which are certified to ASME A112.19.8 or ANSI/APSP-16 for anti-hair and body entrapment. All units are listed for above or below ground installation and may be portable or permanent.

Conditions of listing:

1. NESPA's Spa Shell shall be installed in accordance with manufacturer's published installation instruction and applicable codes.
2. NESPA Spa Shell is manufactured in Oroville, California under a quality control program with annual inspection by ICC-ES.



STANDARD NESPA IN-GROUND INSTALLATION INSTRUCTIONS **SET-UP AND EXCAVATION**

Prerequisites: Before installing your Nespa spa. You may be required to acquire a permit from your local State, County, and City building dept and or Health department. (Commercial jobs need Health Dept. Approval). Your spa installation must comply with the most current codes. (**Uniform Swimming Pool, Spas & Hot Tub Code 2006 (USPC 2006)**).

Spa drawings: Request from Nespa a current spa specific construction detail, plan and section, spa plumbing detail.

Delivery Access: Clearly determine the method of getting the spa to jobsite and into the hole. This may require the use of a crane, forklift, hoist, backhoe and/or manpower etc.

- 1) The following instructions are general guidelines and may not apply to your specific jobsite conditions. When excavating for your spa remember to provide for plumbing and light connection clearances. In order to determine how to excavate for your spa or swim spa, measure spas outside dimension (O.D.) and add minimum 3” to all sides. This 3” clearance is to accommodate jet and suction plumbing. This 3” clearance can change or be reduced upon request. Note: skimmer location, this area may have to be larger than 3”, if commercial 22”.
- 2) **Freeze Climates-** If the spa is place into a vault (typical of freeze climates) a standard 18” or more of clearance minimum from spa perimeter should be provided. This dead air space is for possible future access to spa plumbing in case of a freeze. Area drain is mandatory. **Ask your local installer** for his experienced opinion. Do not hesitate to call us because we want to be sure that your installation progresses as smoothly as possible. If you have questions call us. (888) 479-4677.
- 2) **Hole depth** is determined by spa’s outside height dimension. This height may vary depending if spa has skids or no skids. The spa lip may be finished or non- finished. How is the perimeter deck elevation transitioning to the spa? Focus on the finish surrounding deck elevations, thickness of the finish material on spa upper horizontal lip, equal to lip or under the spa lip. This material can be tile, stone, concrete or brick.
- 3) **Preplumb** the spa before it goes into the hole. If there are needs for electrical , bonding or control conduits run them as well before dropping in hole. Connect bond wire to niche would be best.
- 4) **Spa should sit on level 3 ½” thick reinforced concrete pad. Sweep debris off pad prior to dropping in hole.**
- 5) **Install spa** into the hole on top of concrete pad. Use the Eye bolts provided for crane, forklift etc. rigging. Do not hold onto pipes. Use caution with suction and jet plumbing when lowering into hole. **DO NOT STRESS FITTINGS!** Fill Spa with water and check for leaks prior to backfill.

- 6) **Check site reference** points for proper spa positioning (i.e., squaring to house, garage, etc.).
- 7) **Shim to level spa.** Shim with non-compression able material. Re square to house, or ref. point.
- 8) **Dry pack** with cement the gaps that have been created when shimming spa level.
- 9) **Connect pipes to tees** if spa is preplumb. Installers properly support your new plumbing from stressing spas preplumb fittings. After electrical conduit and bond wire is connected to light niche, water test spa before back filling with sand.
NOTE: All Nespa products are water tested prior to leaving factory.

ELECTRICAL:

- 1) All electrical connections to spa or equipment should comply with the most recent national electrical code (NEC), state and local codes.
- 2) Connect electrical conduit to light niche. This work should be done or reviewed by a licensed electrician.
- 3) To install spa light you will need to include inside the PVC conduit to the light niche a solid #8 coated copper wire. (If you are use brass conduit, internal bond wire is not required.) This bond wire should be pulled with the light cord at the same time. This bond wire needs to be attached to the internal bonding lug of the light niche. An approved encapsulate should be applied to bond wire connection in niche.
- 4) An external #8 copper wire shall be connected to the external bonding lug on the rear of the light niche. This copper wire can then be used for additional bonding requirements (i.e., handrails or any other metallic object within 5' of the spa.

PLUMBING:

- 1) **When plumbing a Nespa it is important to properly size the plumbing. We highly recommend that you follow the pump manufacturer's pipe sizing requirements and Uniform Swimming Pool, Spas & Hot Tub Code 2006 (USPC 2006). This code book is available at www.IAPMO.org or (909) 472 4100.**
- 2) The jet air venturi should be a Hartford loop design adjacent to spa shell and air entry point can be located next to spa or remotely at equipment.
- 3) Fill spa with water and test the system for leaks PRIOR to backfilling with sand.

SAND BACK FILL:

- 1) **With water in spa, back-fill around spa perimeter with dry plaster sand and wet wash with hydraulic attachment to hose. Let set for one hour and hydraulic dry again. Be sure water level in spa is at the highest level. Any questions please call us. (888) 479-4677.**
- 2) **If spa is free standing on elevated deck or a structure, it is important to fill spa with water and load area prior to installing coping or perimeter decking. If spa is installed in a vault situation a area drain is needed.**

NESPA ENTERPRISES INC.

2800 Richter Ave. Suite E

Oroville, CA 95966

Office: (888) 479-4677 Fax: (530) 534-9915

E-Mail: nespa@pacbell.net www.tiledspas.com

IN-GROUND

INSTALLATION

ALL DIMENSIONS SUBJECT TO 1/4" TOLERANCES

SCALE: 1/2" = 1'-0"

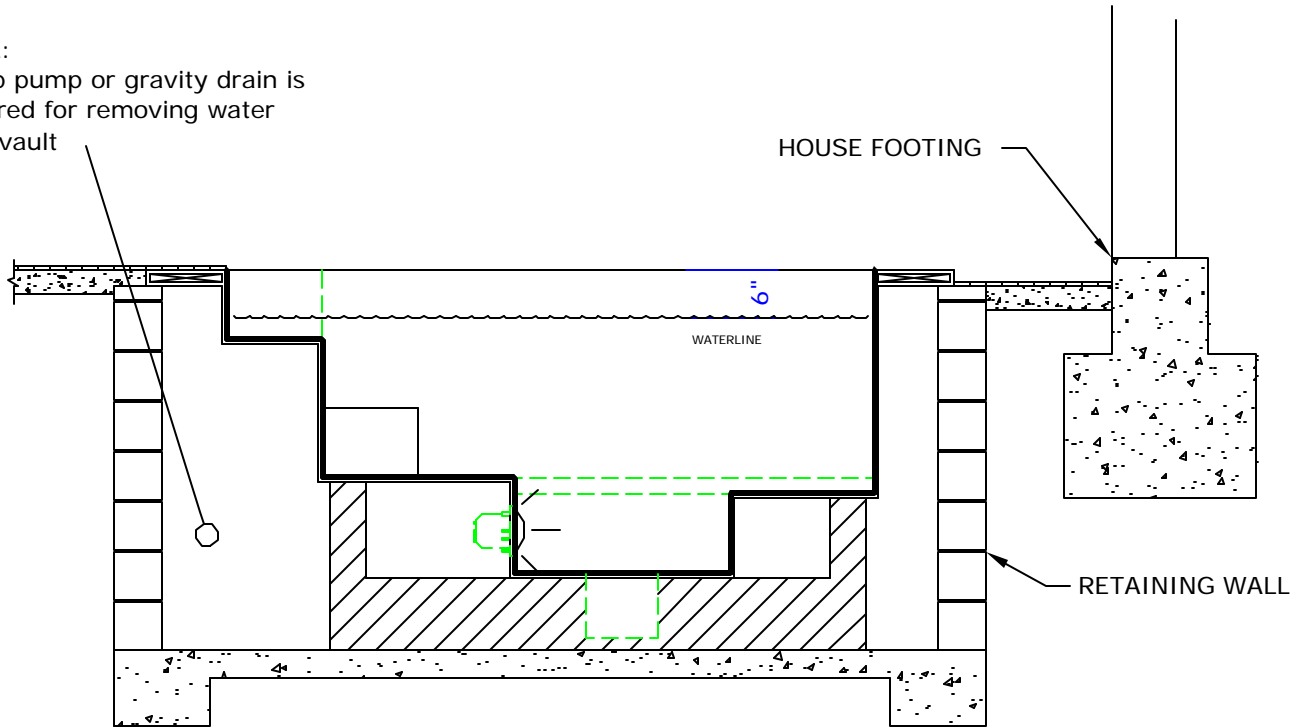
DATE: 3/27/02

JOB : STANDARD INSTALL

DW #: SI-1, SI-2

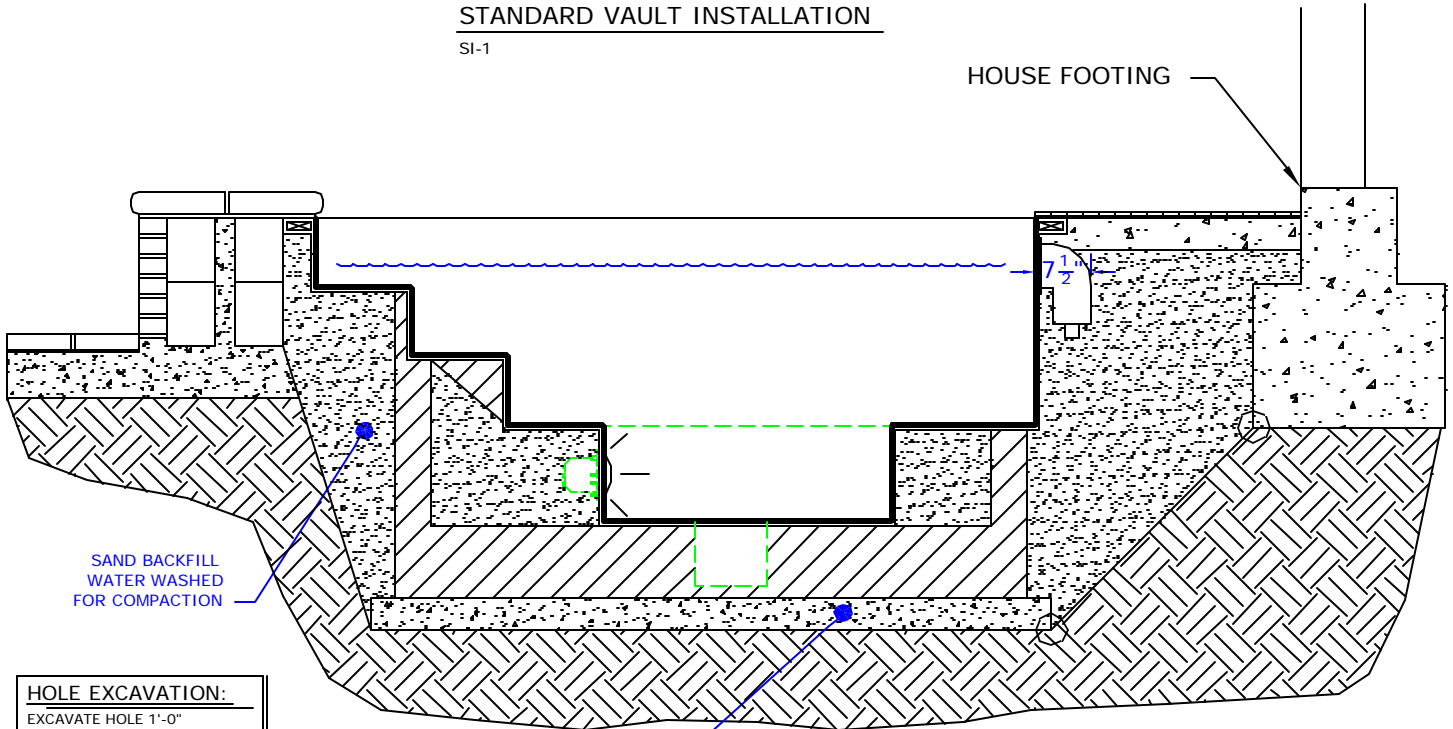
NOTE:

Sump pump or gravity drain is required for removing water from vault



STANDARD VAULT INSTALLATION

SI-1



HOLE EXCAVATION:

EXCAVATE HOLE 1'-0" LARGER THAN THE OUTSIDE DIAMETER (OD) OF SPA

4" CONCRETE SLAB REINFORCED WITH #10 MESH

STANDARD INGROUND INSTALLATION

SI-2

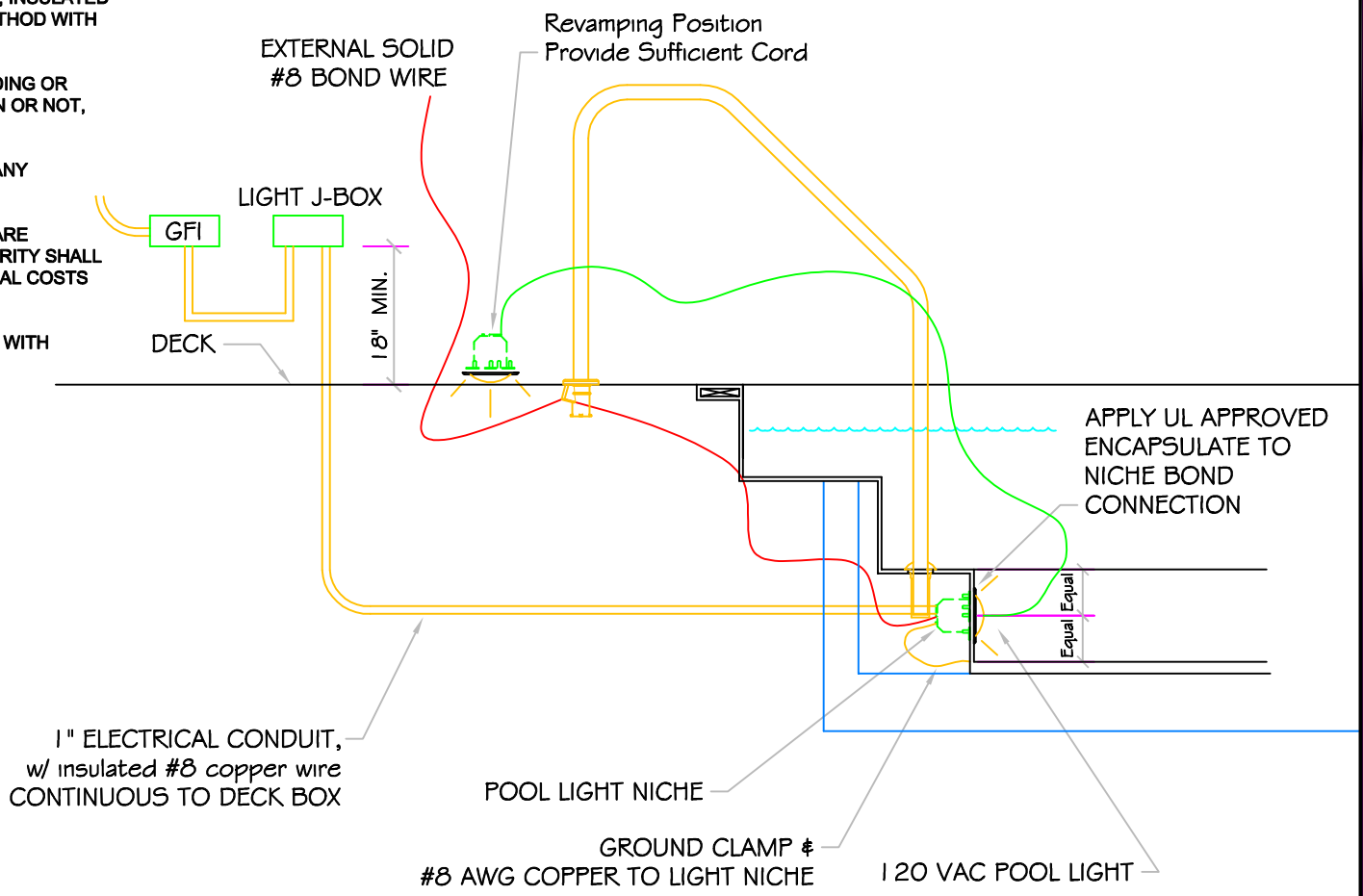
NOTE:

Footing can not surcharge spa. Slope from bottom of slab to nearest corner of house footing must not exceed 1" = 1".

POOL BONDING REQUIREMENTS:

1. THE FOLLOWING PARTS SHALL BE BONDED TOGETHER AND CONNECTED TO THE COMMON BONDING GRID.
 - A. ALL THE METALLIC PARTS OF THE POOL STRUCTURE INCLUDING COPING STONES, DECK, PERMANENT PLAY STRUCTURES, PERMANENT EXERCISE STRUCTURES.
 - B. ALL METAL FITTINGS WITHIN OR ATTACHED TO THE POOL STRUCTURE
 - C. METAL PARTS ASSOCIATED WITH THE POOL WATER CIRCULATING SYSTEM, INCLUDING PUMPS, FILTERS, AND HEATERS.
 - D. METAL PARTS ASSOCIATED WITH POOL COVERS
 - E. METAL SHEATHED CABLES AND RACEWAYS, METAL PIPING AND ALL FIXED METAL PARTS WITHIN 5 FEET HORIZONTALLY OF INSIDE WALLS OF POOL AND WITHIN 12 FEET ABOVE MAXIMUM WATER LEVEL OF POOL.
 - F. METAL PARTS ASSOCIATED WITH OBSERVATION STANDS, TOWERS, PLATFORMS, AND DIVING STRUCTURES.
2. BONDING CONDUCTORS SHALL BE MINIMUM #8 SOLID COPPER, INSULATED E.C. SHALL COORDINATE APPROVED CONNECTOR TYPE AND METHOD WITH LOCAL ELECTRICAL AND/ OR POOL INSPECTOR.
3. SPECIFIC MANUFACTURER'S INSTRUCTIONS REGARDING BONDING OR GROUNDING OF POOL EQUIPMENT, WHETHER INDICATED HEREIN OR NOT, SHALL BE STRICTLY FOLLOWED.
4. THE COMMON BONDING GRID SHALL NOT BE CONNECTED TO ANY ELECTRICAL DISTRIBUTION EQUIPMENT.
5. ANY PARTS IN ADDITION TO THOSE DESCRIBED HEREIN THAT ARE INDICATED BY POOL CONTRACTOR OR LOCAL INSPECTION AUTHORITY SHALL BE BONDED TO THE COMMON BONDING GRID WITH NO ADDITIONAL COSTS INCURRED BY THE OWNER.
6. THE ELECTRICAL CONTRACTOR SHALL COORDINATE BONDING WITH GENERAL CONTRACTOR.

LIGHT DETAIL



ALL DIMENSIONS SUBJECT TO 1/4" TOLERANCES

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NESPA ENTERPRISES INC.
 2800 Richter Ave. Ste. C Oroville, CA 95966
 Office: (530) 534-9910 Fax: (530) 534-9915
 E-Mail: sales@tiledspas.com Web Site: www.tiledspas.com



SIZE A	DWG NAME DETAILS	DWG TYPE Detail
SCALE 1/2" = 1'	DATE 7/24/2008	SHEET PAGE 1 OF 1

NESPA ENTERPRISES, Inc. LIMITED WARRANTY

This LIMITED WARRANTY covering NESPA products is extended to the ORIGINAL PURCHASER-USER BY NESPA ENTERPRISES Inc.(NESPA), 2800 Richter Ave. Unit C California 95966.

NESPA products are thoroughly inspected and tested prior to factory shipment. NESPA warrants to the ORIGINAL PURCHASER-USER that NESPA Spas and Swim Spas will be free of defect in workmanship, accessories and parts, provided said accessories and parts were manufactured by NESPA. NESPA, under this LIMITED WARRANTY, warrants only that its Spas and Swim Spas shall be structurally sound, shall retain their shape, and shall retain water for the warranty period. NESPA warrants the adhesion of tile to fiberglass for a period of three (3) years and structural soundness for ten (10) years. NESPA warrants epoxy grout adhesion for a period of three years. If any such defects appear and are reported within the warranty period, NESPA shall repair or replace such defective parts without charge if an inspection proves the claim.

The provisions of the LIMITED WARRANTY shall not apply to tile cracked, split, chipped or damaged after the product has left the factory, nor damage to tile caused by freezing nor to damage, defect, malfunction or failure to conform with the above warranty provisions where the damage, defect, malfunction or failure to conform was caused during shipment or by distributor or by unreasonable use by ORIGINAL PURCHASER-USER including improper water balance and improper sand pack or support.

This LIMITED WARRANTY shall not apply to any plumbing, equipment, or installation of spas and Swim Spas and shall not apply to any alterations made to or upon NESPA products except alterations made by NESPA employees or NESPA authorized representatives.

This LIMITED WARRANTY is expressly in lieu of all other warranties expressed or implied including the warranties of merchantability and fitness for use and all other obligations or liabilities on NESPA'S part, and NESPA neither assumes nor authorizes any other person to assume for NESPA any other liability in connection with the sale of this NESPA product. This LIMITED WARRANTY shall not apply to this NESPA product or any part thereof which has been subject to accident, negligence, alteration, abuse or misuse. NESPA makes no warranty whatsoever with respect to accessories or parts not manufactured by NESPA.

The term "ORIGINAL PURCHASER-USER" as used in this LIMITED WARRANTY shall be deemed to mean that person for whom the NESPA product is originally installed.

The LIMITED WARRANTY provided herein and the obligations and liabilities of NESPA hereunder are exclusive and are in lieu of, and buyer and original PURCHASE-USER hereby waive all other remedies, warranties, guarantees or liabilities, expressed or implied, arising by law or otherwise (including without limitation and obligations of NESPA with respect to fitness, merchantability, and consequential damages) or whether or not occasioned by NESPA'S negligence.

This LIMITED WARRANTY shall not be extended, altered or varied except by a written instrument signed by NESPA and original PURCHASER-USER.