

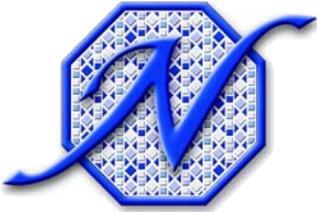
NESPA
TILED SPAS

Production Booklet

for the

One Santa Fe SPAS

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

SPECIFICATIONS	
SHELL WEIGHT	2300 LBS.
WATER WEIGHT	5468 LBS.
TOTAL SHELL & WATER WEIGHT	7768.4 LBS.
WATER VOLUME	111 Cu.Ft.
MAX WATER GAL.	830 GAL.
SURFACE AREA	50.3 SQ. FT.
ICC ES LISTED #	PMG-1161
FDA#	2030305

SKID SUPPORT STRUCTURE BONDED TO SPA

☒ ☐

*SKIDS SUPPLIED BY NESPA

LIGHT NICHE

SPA BRIGHT, 120 V, 100 WATT, 50' CORD, U.L. APPROVED

MAIN DRAIN

6" Round Hockey Puck
AquaStar 6HPHxxx
Sumpluss Suction Outlet

Floor/wall (2" Pipe): 224 GPM at 6.3 fps
Floor (1.5" Pipe): 177 GPM at 5.9 fps
Wall (1.5" Pipe): 122 GPM at 3.4 fps
Floor/Wall: 53.3 GPM at 1.5 fps

11.4 square inch opening
Complies w/ ANSI Code
ASME A112.19.8-2007 & VGB 2008

SIDEWALL SUCTION

6" Round Hockey Puck
AquaStar 6HPHxxx
Sumpluss Suction Outlet

Floor/wall (2" Pipe): 224 GPM at 6.3 fps
Floor (1.5" Pipe): 177 GPM at 5.9 fps
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Floor/Wall: 53.3 GPM at 1.5 fps

11.4 square inch opening
Complies w/ ANSI Code
ASME A112.19.8-2007 & VGB 2008

SKIMMER

HAYWARD SP-1084FVE
SURFACE SKIMMER
W/ EQUALIZER,
NSF APPROVED

JET

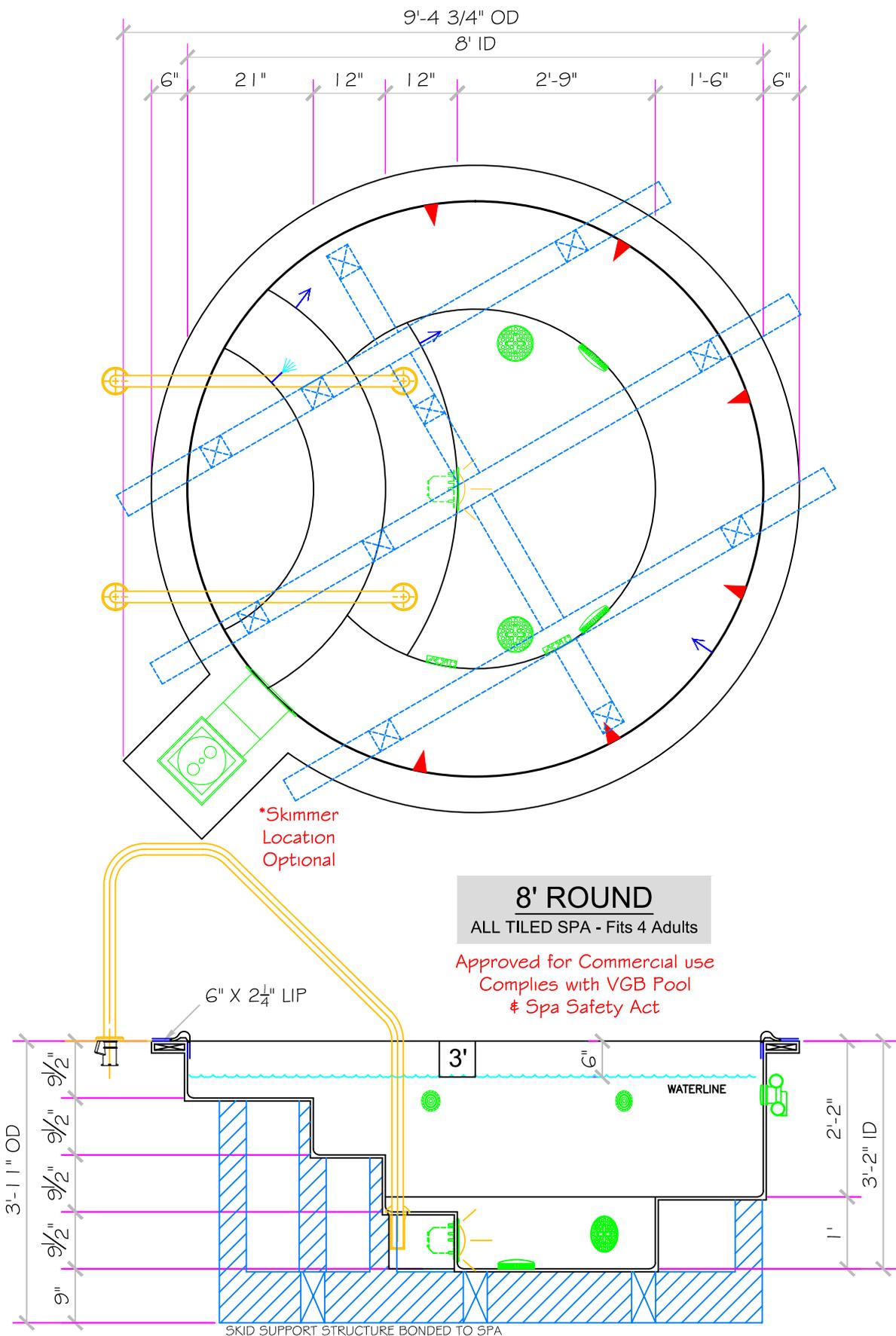
HYDRO INLETS
1-1/2" WATER - 1-1/2" AIR
HYDROAIR #10-5100
COMPLIES W/ ANSI CODE ASME A112.19.8-07
UL APPROVED

RETURN

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

FILL

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



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ALL DIMENSIONS SUBJECT TO 1/4" TOLERANCES

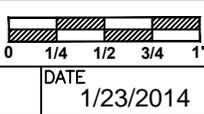
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If printing as a PDF:
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DWG NAME: ONE SANTA FE

SCALE: 1/2" = 1'
DATE: 1/23/2014

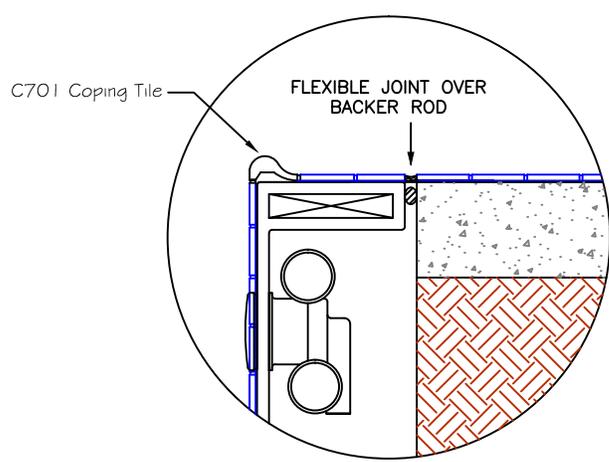
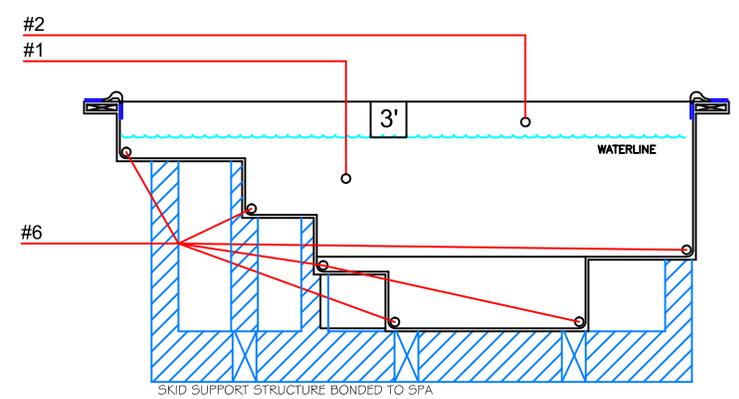
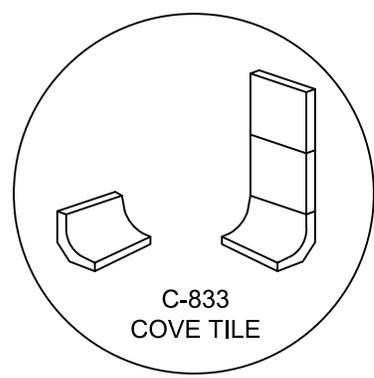
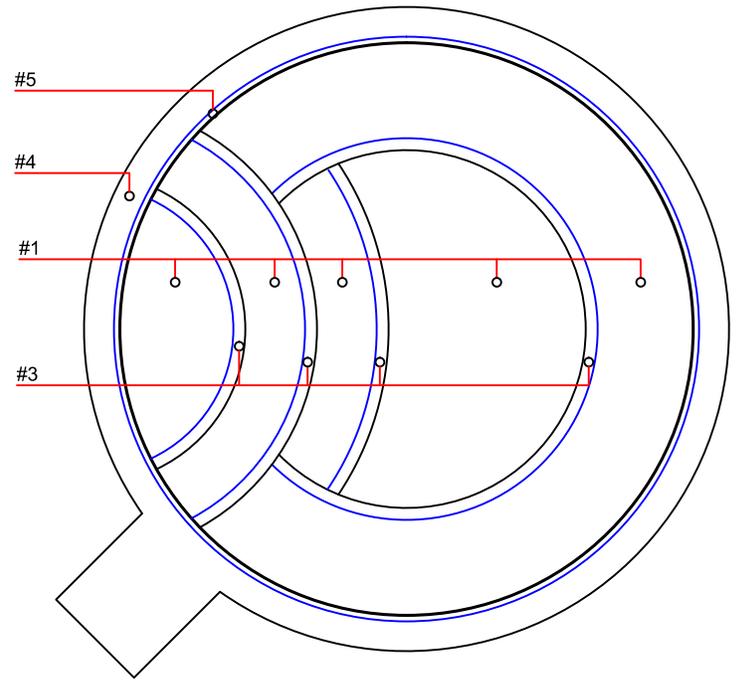


DWG TYPE: 8 Rnd SD
SHEET: PAGE 1 OF 10

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- #1 - FIELD TILE: DalTile Keystone D317 Bisquit 2" x 2"
- #2 - WATERLINE: DalTile Keystone D169 Waterfall 2" x 2"
- #3 - BENCH & STEP EDGES DalTile Keystone D311 Black 2" x 2"
- #4 - TILED LIP (optional): DalTile Keystone D317 Bisquit 2" x 2"
- #5 - COPING TILE: DalTile Keystone DK317 Bisquit C-701
- #6 - COVE TILE: DalTile Keystone DK317 Bisquit C-833

Date: _____
 Approval: _____
 #1 - GROUT: _____
 #2 - GROUT: _____
 #3 - GROUT: _____



**C701 Coping Tile
for commercial application**

APPROVED

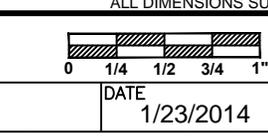
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SCALE: 3/8" = 1"
 DATE: 1/23/2014



DWG TYPE: 8 Rnd Tile
 SHEET: PAGE 2 OF 10

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SPECIFICATIONS	
SHELL WEIGHT:	2800 LBS.
WATER WEIGHT:	9853 LBS.
TOTAL SHELL & WATER WEIGHT:	12653 LBS.
WATER VOLUME:	200 Cu.Ft.
MAX WATER GAL:	1496 GAL.
SURFACE AREA:	78.5 SQ. FT.
ICC ES LISTED #:	PMG-1161
FDA#:	2030305

SKID SUPPORT STRUCTURE* BONDED TO SPA

☒ ☐

*SKIDS SUPPLIED BY NESPA

LIGHT NICHE

SPA BRIGHT, 120 V, 100 WATT, 50' CORD, U.L. APPROVED

MAIN DRAIN

6" Round Hockey Puck
AquaStar 6HPHAXxx
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Floor/Wall: 53.3 GPM at 1.5 fps
11.4 square inch opening
Complies w/ ANSI Code ASME A112.19.8-2007 & VGB 2008

SIDEWALL SUCTION

6" Round Hockey Puck
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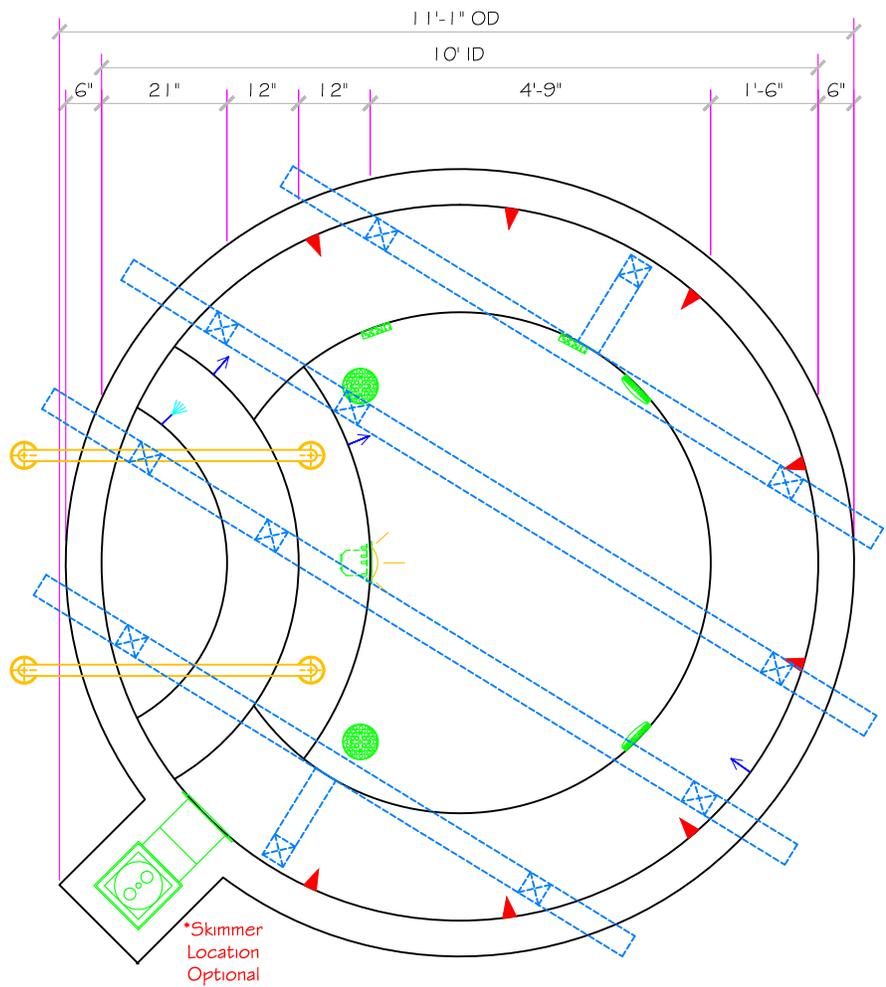
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1-1/2" WATER - 1-1/2" AIR
HYDROAIR #10-5100
COMPLIES W/ ANSI CODE ASME A112.19.8-07
UL APPROVED

RETURN

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

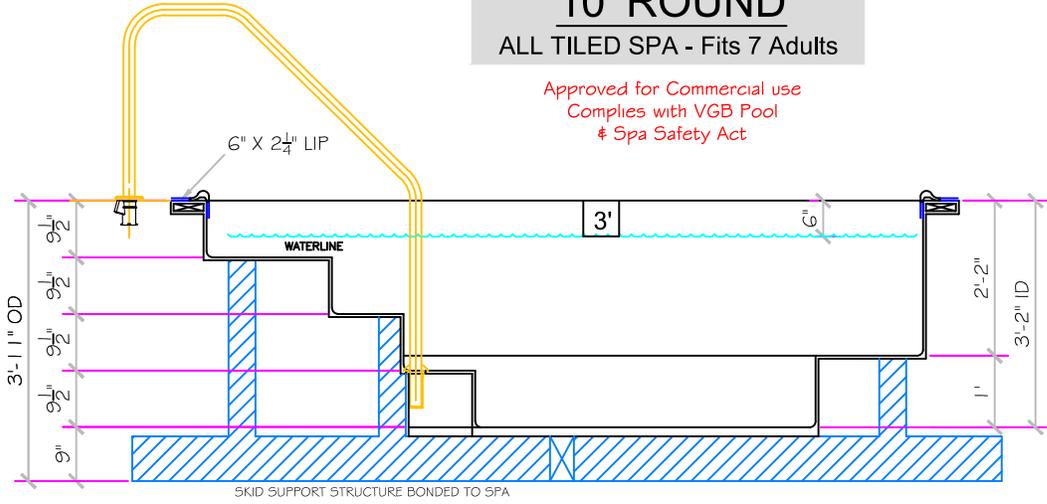
FILL

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



10' ROUND
ALL TILED SPA - Fits 7 Adults

Approved for Commercial use
Complies with VGB Pool
& Spa Safety Act



APPROVED

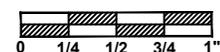
ALL DIMENSIONS SUBJECT TO 1/4" TOLERANCES

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DWG TYPE
10 Rnd SD

DATE
1/23/2014

SHEET
PAGE 3 OF 10

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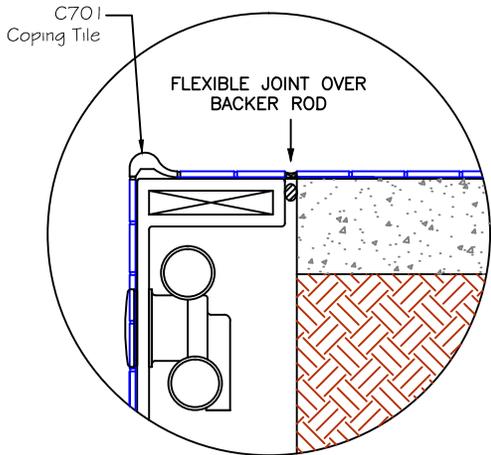
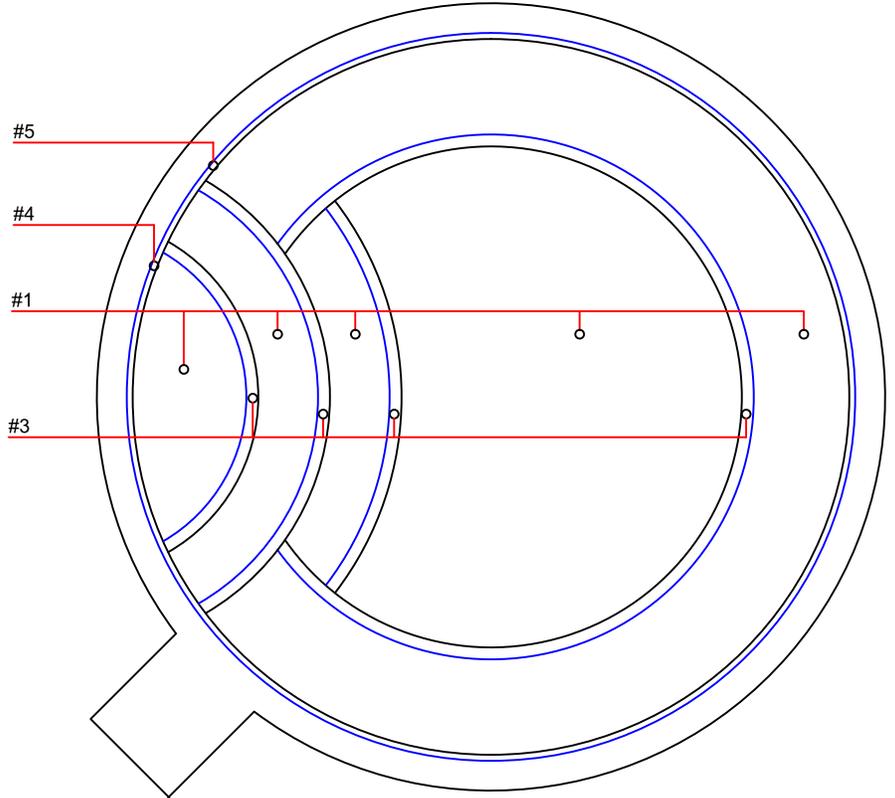
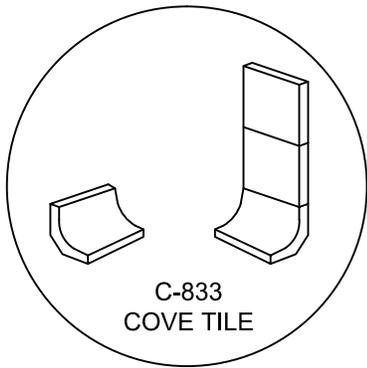
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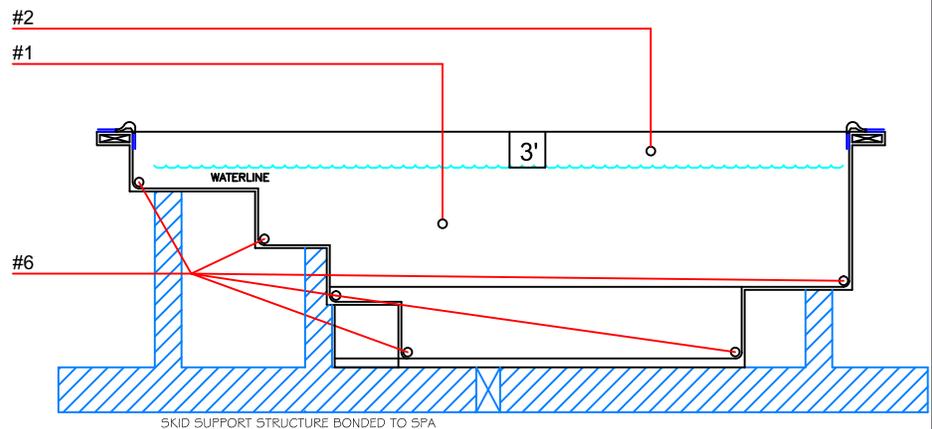
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#2 - GROUT: _____

#3 - GROUT: _____



C701 Coping Tile
for commercial application



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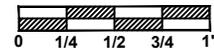
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ONE SANTA FE

SCALE

3/8" = 1'



DATE
1/23/2014

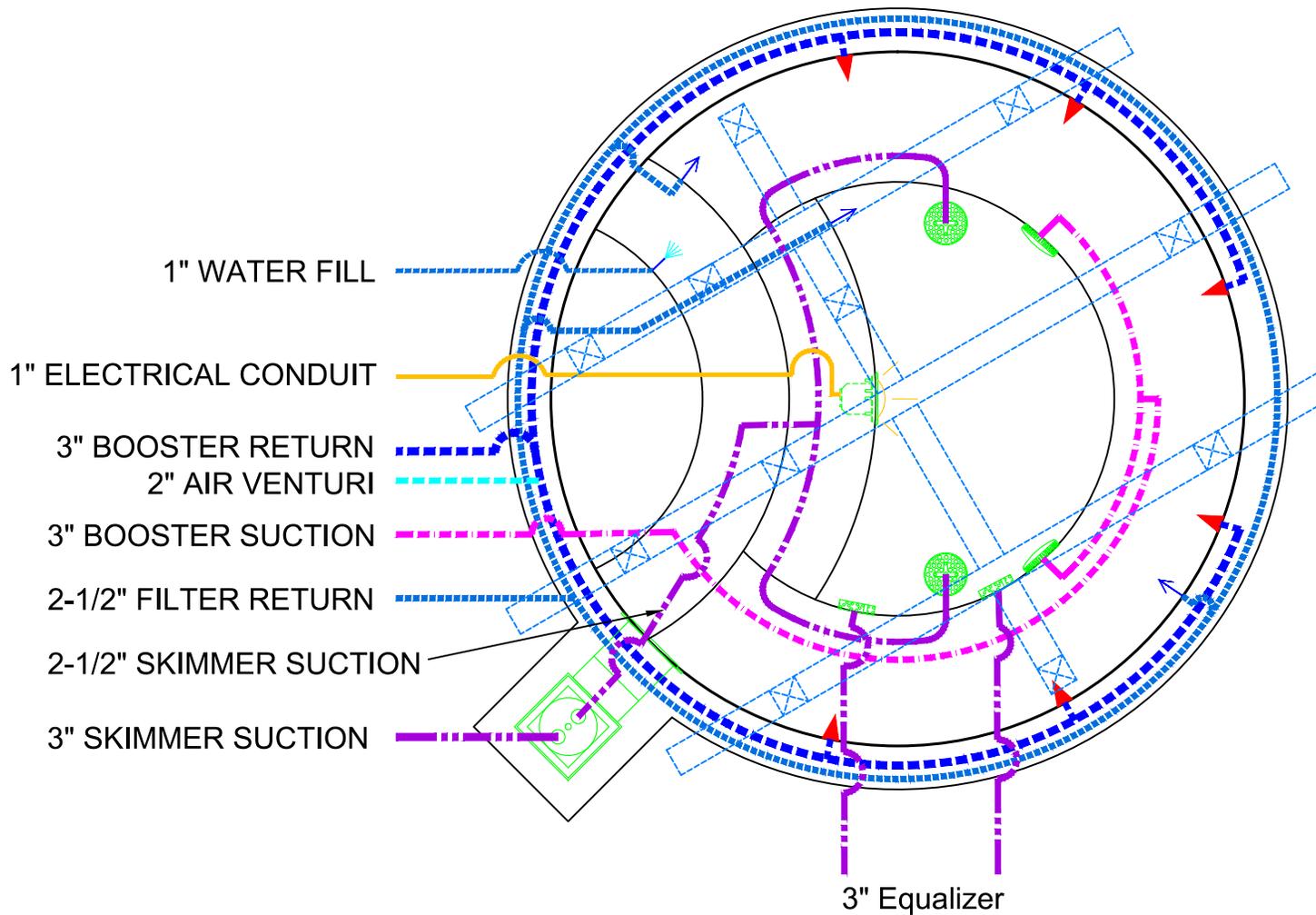
DWG TYPE

10 Rnd Tile

SHEET

PAGE 4 OF 10

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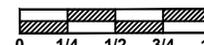
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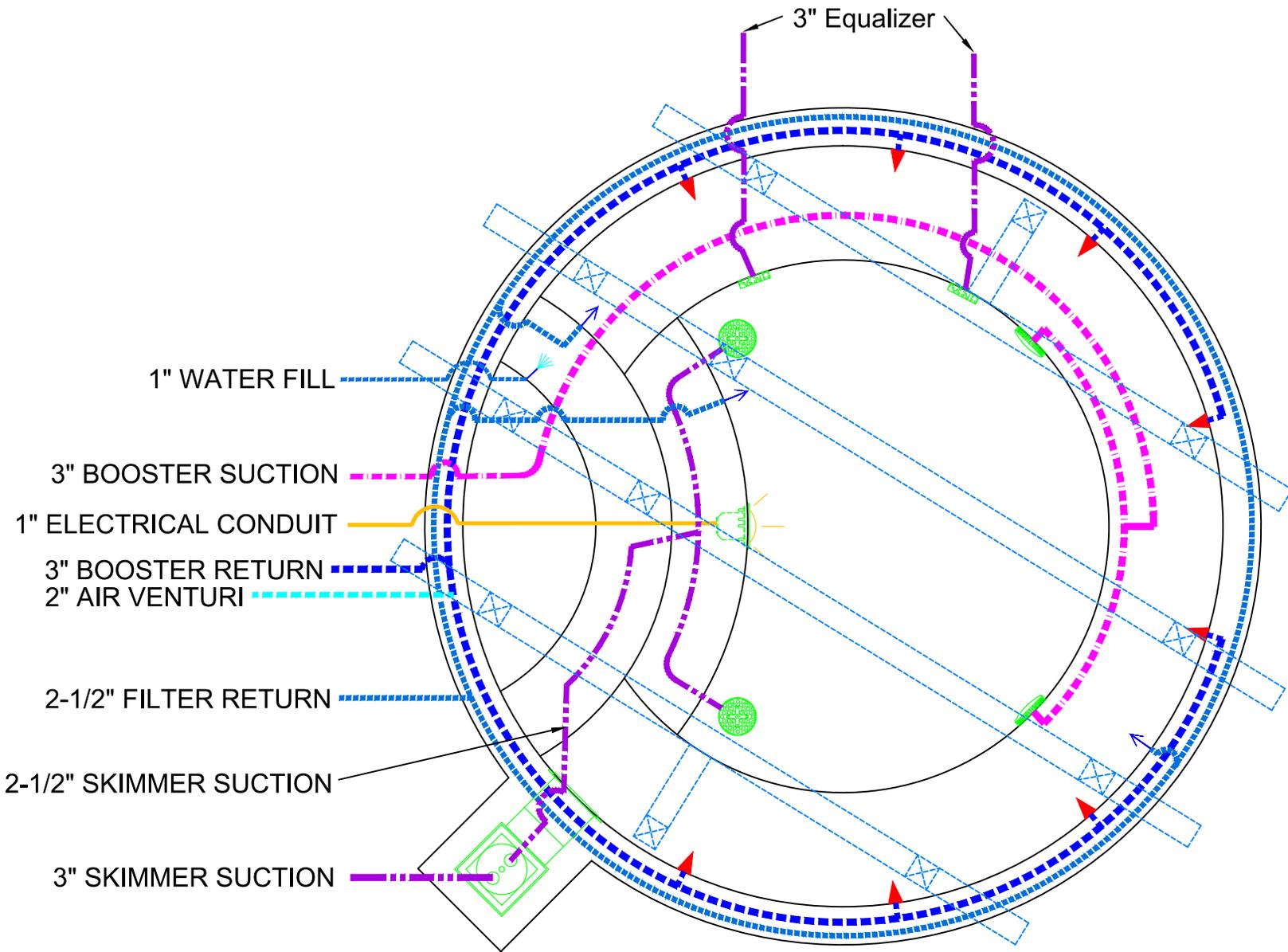
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DWG NAME
 ONE SANTA FE

DATE
 1/23/2014

DWG TYPE
 Plumbing 8 Rnd
 SHEET
 PAGE 5 OF 10



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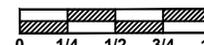
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DWG NAME

ONE SANTA FE

DATE

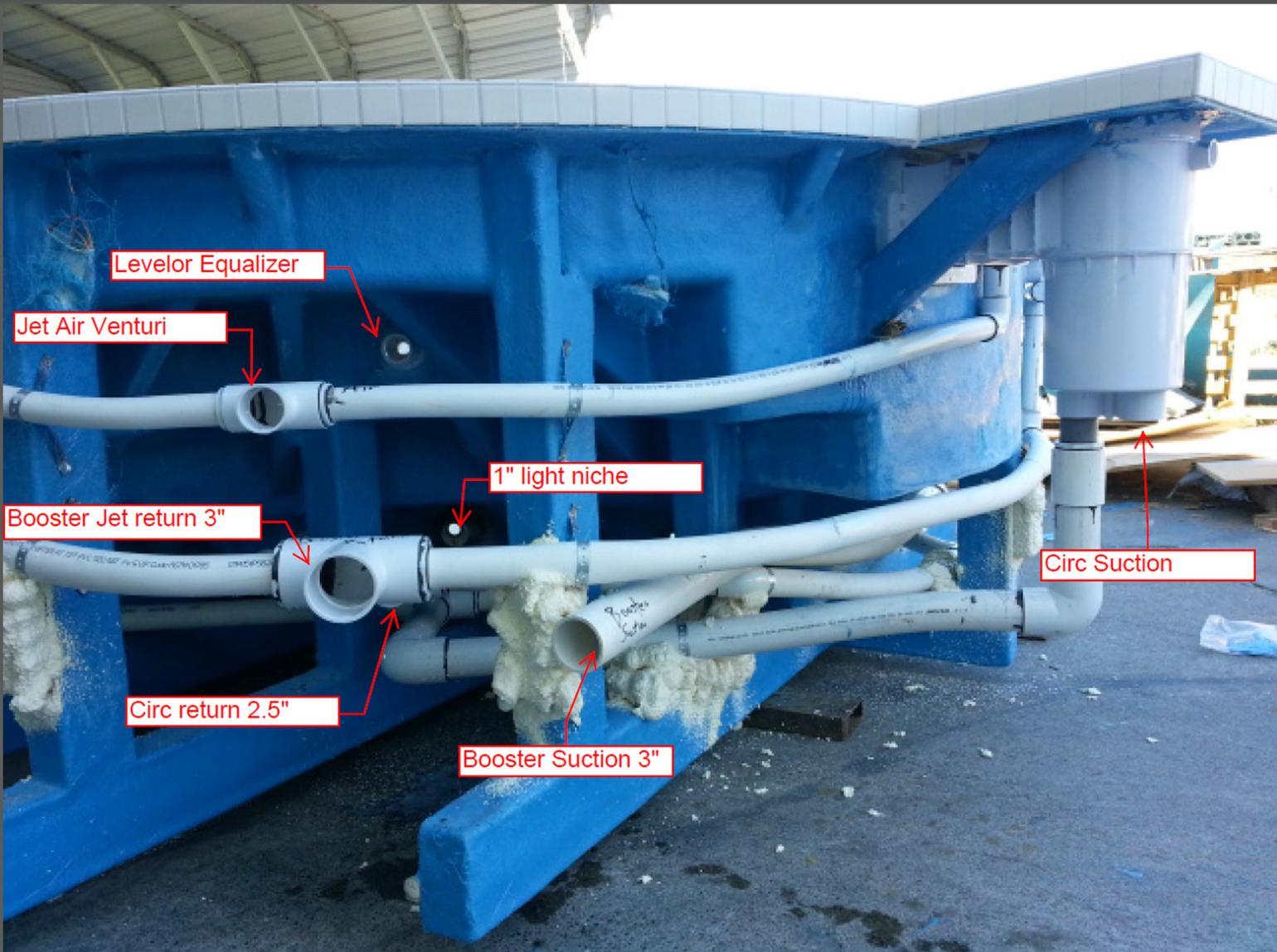
1/23/2014

DWG TYPE

Plumbing 10 Rnd

SHEET

PAGE 6 OF 10



Levelor Equalizer

Jet Air Venturi

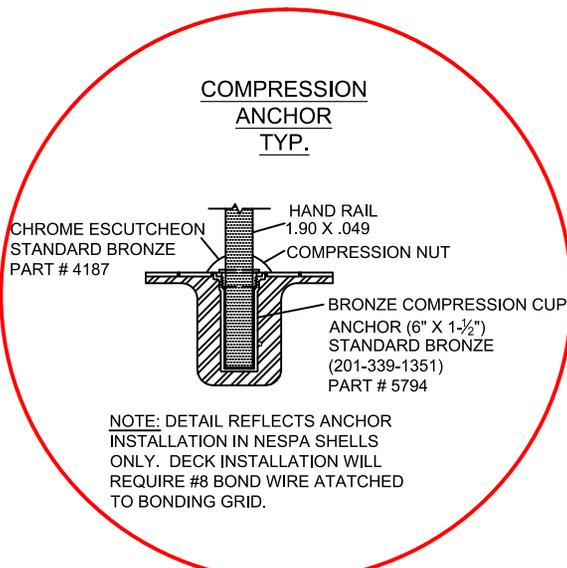
1" light niche

Booster Jet return 3"

Circ Suction

Circ return 2.5"

Booster Suction 3"

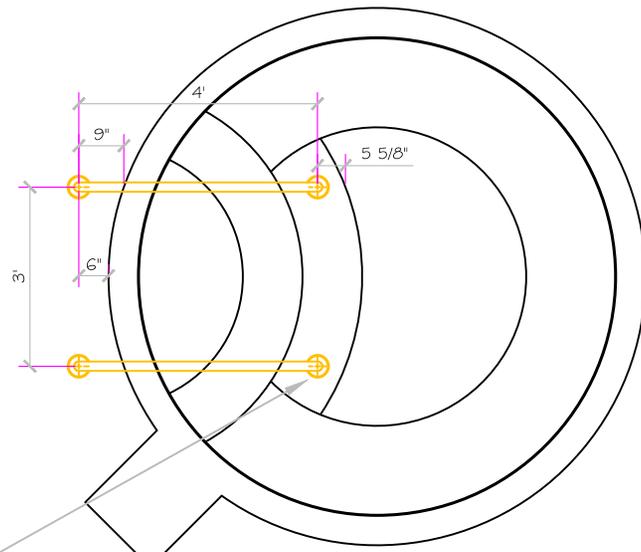


COMPRESSION ANCHOR TYP.

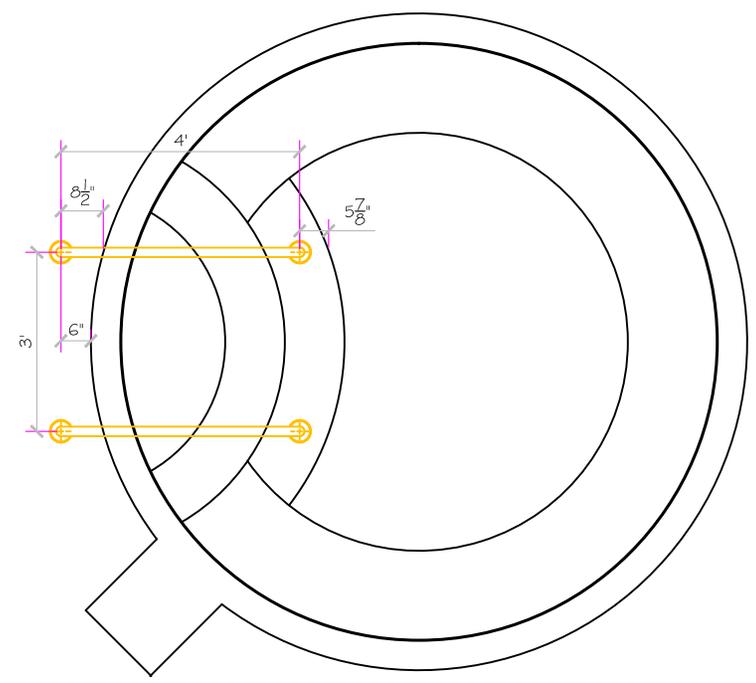
- CHROME ESCUTCHEON STANDARD BRONZE PART # 4187
- HAND RAIL 1.90 X .049
- COMPRESSION NUT
- BRONZE COMPRESSION CUP ANCHOR (6" X 1-1/2") STANDARD BRONZE (201-339-1351) PART # 5794

NOTE: DETAIL REFLECTS ANCHOR INSTALLATION IN NESPA SHELLS ONLY. DECK INSTALLATION WILL REQUIRE #8 BOND WIRE ATTACHED TO BONDING GRID.

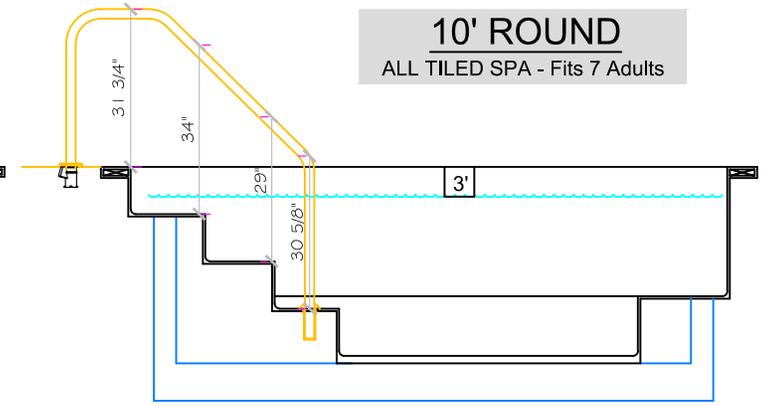
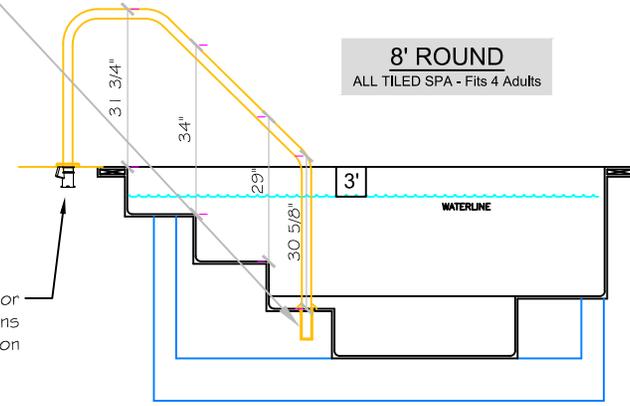
Deck Anchor follow mfg recommendations for deck installation



8' ROUND
ALL TILED SPA - Fits 4 Adults



10' ROUND
ALL TILED SPA - Fits 7 Adults



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ALL DIMENSIONS SUBJECT TO 1/4" TOLERANCES

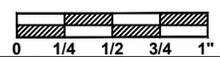
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5/16" = 1'



DWG NAME
ONE SANTA FE

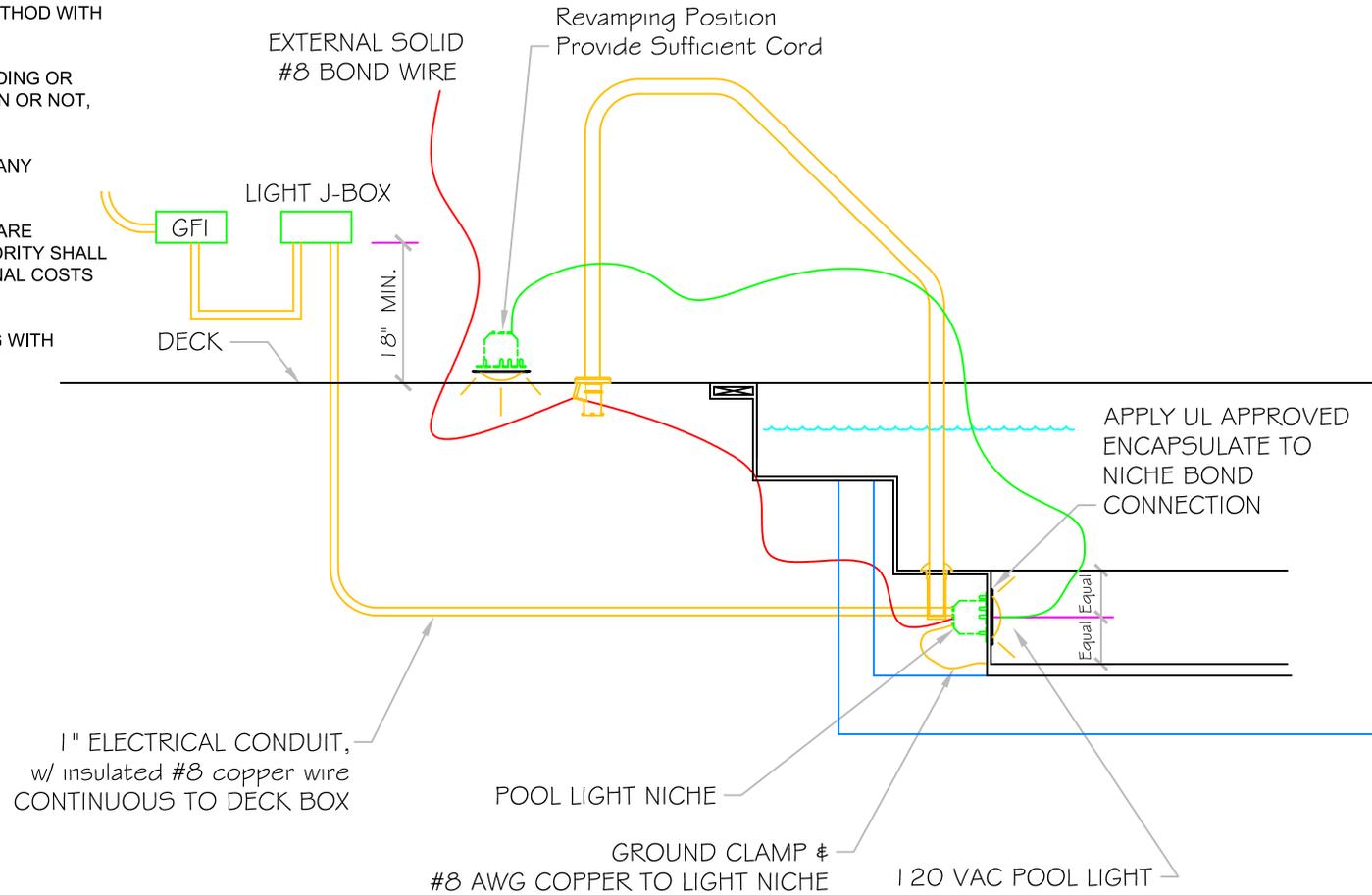
DATE
1/9/2014

DWG TYPE
Handrail Detail
SHEET
PAGE 7 OF 10

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 COPPING 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



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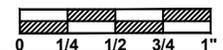
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 E-Mail: jim@tiledspas.com Web Site: www.tiledspas.com



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DWG NAME
 ONE SANTA FE

DATE
 1/9/2013

DWG TYPE
 Light Detail
 SHEET
 PAGE 8 OF 10

6" Round Hockey Puck Sumplless Suction Outlet Cover, HydroAir/ITT Replacement

VGB Series

The AquaStar line of suction outlet covers, compliant with the new Virginia Graeme-Baker Pool and Spa Safety Act (ANSI/APSP 16-2011 and NSF 50-2008)

Features

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

Single - sumplless

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

11.4 square inch opening

Hydro-Air retrofit version also available p/n 6HPHxxx

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 50-2008 national standards and ASTM G154 UV testing exposure

Listed with IAMPO R&T

Eight different adapter plates are sold separately, available for sumplless 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)

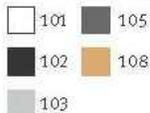
25 per case

No sump required!



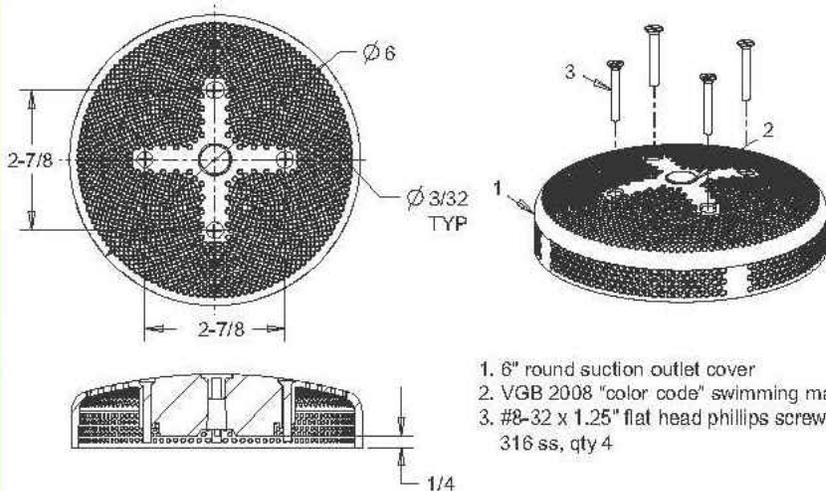
Part # 6HPxxx, 6HPHxxx

STANDARD COLORS



Hydro-Air retrofit version also available p/n 6HPHxxx 25/case

VGB 2008 Compliant



1. 6" round suction outlet cover
2. VGB 2008 "color code" swimming man
3. #8-32 x 1.25" flat head phillips screw, 316 ss, qty 4

Retrofits to StaRite/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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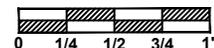


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SUCTION INFO

DWG NAME

ONE SANTA FE

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PAGE 9 OF 10

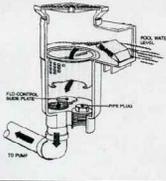
IS1084-00



HAYWARD MODEL SP1084 AUTO-SKIM AUTOMATIC SURFACE SKIMMER INSTALLATION AND OPERATING INSTRUCTIONS

The Auto-Skim is a rugged, versatile automatic skimmer for residential or commercial installations. The illustrations below show the standard SP1084 (#1); the SP1082GV Skimmer-Main Drain Valve Assembly installed (#2); and the SP1084 with SP1078 Equalizer Valve and SP1082FV Float Valve Assembly (#3). Consult inside pages for specific installation details and dimensions.

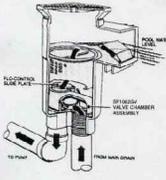
1. BASIC UNIT



A. FLOW ADJUSTMENT—For full flow, move Flo-Control Slide Plate to full open. To adjust flow, move Slide Plate to desired position over pump outlet.

B. TO VACUUM—Remove cover and basket. Screw hose adapter into pump outlet. Fill vacuum hose with water and insert over hose adapter. Or use optional Skim-Vac over basket vacuum pump.

2. SKIMMER WITH MAIN DRAIN CONNECTION



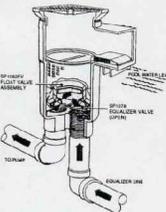
A. FULL SKIM—Place Valve Lever in straight-up position. Open Slide Plate.

B. FULL MAIN DRAIN (SWEEP)—Place Valve Lever down. Close Slide Plate.

C. 1/2 SKIM - 1/2 MAIN DRAIN—Place Valve Lever at 45° (half-down). Open Slide Plate 1/2.

D. TO VACUUM—Remove cover and basket. Place Valve Lever straight up. Fill vacuum hose with water, and insert into opening in Valve Chamber. Or use optional Skim-Vac over basket vacuum pump.

3. SP1084FVE—SKIMMER WITH EQUALIZER VALVE AND FLOAT VALVE ASSEMBLY

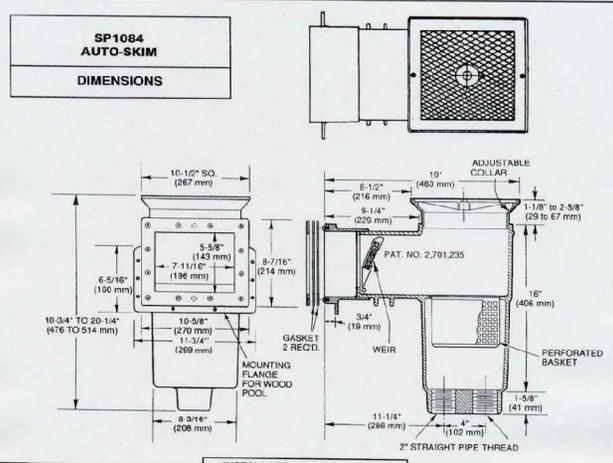


A. EQUALIZER—Model SP1078 Equalizer Check Valve Assembly installs over front port, and is used in conjunction with the SP1082FV Float Valve Assembly. If water level drops below skimmer opening, or if skimmer flow is obstructed, the float will automatically snap shut and the equalizer valve will open. This diverts all flow to the pump from the equalizer line and prevents girdlock in the pump. When the pump is shut off, and the water level condition is corrected, the float will rise and the equalizer valve will close, allowing normal skimming operation when the pump is restarted.

B. TO VACUUM—Select one convenient skimmer and remove cover, basket and float valve assembly. Screw hose adapter into pump outlet. Fill vacuum hose with water and insert over hose adapter. Throttle down flow from other skimmer(s) until desired suction is obtained through vacuum.

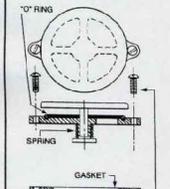


NOTE: When two or more skimmers are plumbed into a common suction line, the flow is balanced through the skimmers by adjusting the Flo-Control Slide Plate at each unit.



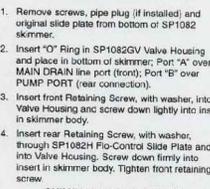
INSTALLATION INSTRUCTIONS

EQUALIZER VALVE ASSEMBLY SP1078



- Place gasket over equalizer line port. Line up gasket over holes in body.
- Place Equalizer Assembly over equalizer port, solid side up.
- Insert retaining screws thru ear tabs and gasket and tighten retaining screws.

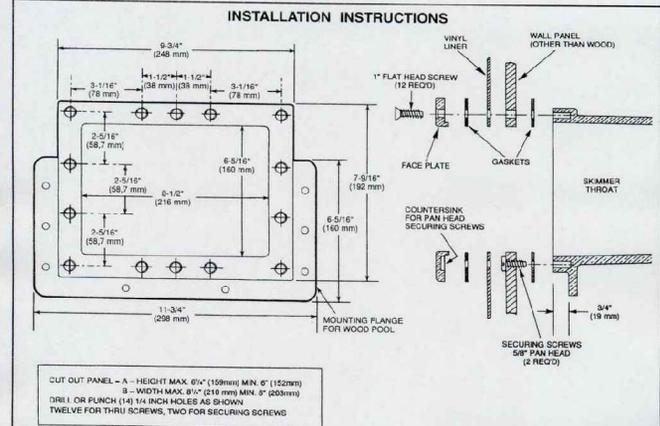
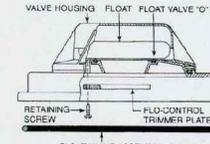
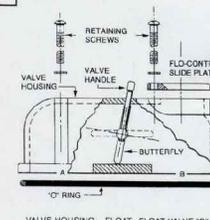
SKIMMER MAIN DRAIN VALVE ASSEMBLY SP1082GV



- Remove screws, pipe plug (if installed) and original slide plate from bottom of SP1082 skimmer.
- Insert "O" Ring in SP1082GV Valve Housing and place in bottom of skimmer. Port "A" over MAIN DRAIN line port (front); Port "B" over PUMP PORT (rear connection).
- Insert front Retaining Screw, with washer, into Valve Housing and screw down lightly into insert in skimmer body.
- Insert rear Retaining Screw, with washer, through SP1082H Flo-Control Slide Plate and into Valve Housing. Screw down firmly into insert in skimmer body. Tighten front retaining screw.

SKIMMER MAIN DRAIN VALVE BY-PASS ASSEMBLY SP1082FV

- Remove screw, pipe plug (if installed) and Flo-Control Slide Plate (if installed) from bottom of basic skimmer.
- Attach Flo-Control Trimmer Plate to float assembly using screw provided.
- Place Float Valve Assembly, with O-ring into skimmer. Adjust Flo-Control Trimmer Plate as required.



INSTRUCTIONS FOR OTHER THAN WOOD PANEL

- Drill and cut out wall panel section per dimensions.
- Place gasket on skimmer face, making sure holes in gasket align with holes in skimmer face. (A very light application of adhesive cement will assist in holding gasket in place.)
- Align skimmer face and gasket with drilled panel holes and fasten to wall panel at top center and bottom center with the two pan head securing screws.
- If vinyl liner pool, install liner before proceeding with Step 5.
- Align second gasket and face plate and fasten tightly to skimmer face with twelve (12) 1" screws. If vinyl liner pool, pierce liner through face plate holes one at a time prior to inserting screws. Screws secure through 1. Face Plate; 2. Gasket; 3. Liner; 4. Wall Panel; 5. Gasket; 6. into Skimmer Face.
- If vinyl liner pool, cut out liner along inside edges of face plate.

INSTRUCTIONS FOR WOOD PANEL WITH VINYL LINER

- Cut out wall panel approximately 1/8" larger than outside dimensions of skimmer face (NOT face plate).
- Insert skimmer into panel cut out from the rear, and butt the mounting flange against the rear of the panel. Use "U" shims, if necessary, to make face of skimmer flush with inside of the pool. Fasten the skimmer to the rear of the wood panel by screwing the proper length round head brass wood screws through the mounting flange holes.
- Place gasket on skimmer face, making sure holes in gasket align with holes in skimmer face. (A very light application of adhesive cement will assist in holding gasket in place.)
- Install vinyl liner.
- Align second gasket and face plate and fasten tightly to skimmer face with twelve (12) 1" screws. Pierce liner through face plate holes one at a time prior to inserting screws.
- Cut out vinyl liner along inside edges of face plate.

The SP1084 Auto-Skim is furnished with two 2" FPT outlets. One 2" x 1-1/2" reducing bushing is furnished for use in the pump suction outlet where 1-1/2" piping is desired. A 2" pipe plug is furnished for closing off the main drain (or equalizer) line opening when these lines are not used. SP1084(1) is furnished with 2" front and 1-1/2" rear outlet and one 2" pipe plug.

LOCATION OF SKIMMERS
To obtain the most effective skimming action over the entire pool surface, locate the skimmers relative to the prevailing wind and drift, shape of pool and water circulation pattern. The use of directional inlet fittings will ensure the proper circulation pattern.



ICC-ES PMG Listing

PMG-1161



Effective Date: September 1, 2012

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:

2012 and 2009 *International Swimming Pool and Spa Code™* (ISPSC)
2012 and 2009 *Uniform Swimming Pool, Spa and Hot Tub Code®* (USPSHTC)*
**is a copyrighted publication of the International Association of Plumbing and Mechanical Officials*

Compliance with the following standards:

ANSI Z124.7-1997, American National Standard for Prefabricated Plastic Spa Shells

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 "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

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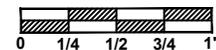


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ICC

DWG NAME

ONE SANTA FE

DATE

1/9/2013

SHEET

PAGE 1 OF 2

Models:

Acapulco	Mirage 9'
Acapulco II	Mirage 11'
Acapulco III	Mirage 13'
Acapulco IV	Mirage 15'
Blackthorne	Mirage 17'
Capri	Monaco
Caribbean	Nespa Swim Spa 12'
Corsica	Nespa Swim Spa 16'
Corsica-Modified	Nespa Swim Spa 18'
Eight Ft. Round	Nespa Swim Spa 20'
Imperia	Rimini
Imperia II	Rimini Commercial
Kidney*	Round* 7'
Legacy 10'	Round* 9'
Legacy 12'	Round* 11'
Legacy 14'	Serenity* 12'
Legacy 16'	Six Ft. Round
Legacy 18'	Tahoe*
Legacy 20'	Ten Ft. Round
Maxima	Vallarta

Note: Models with an "*" indicate that the tile size must be 2" x 2"

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 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.

NESPA ENTERPRISES INC.

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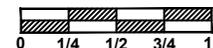


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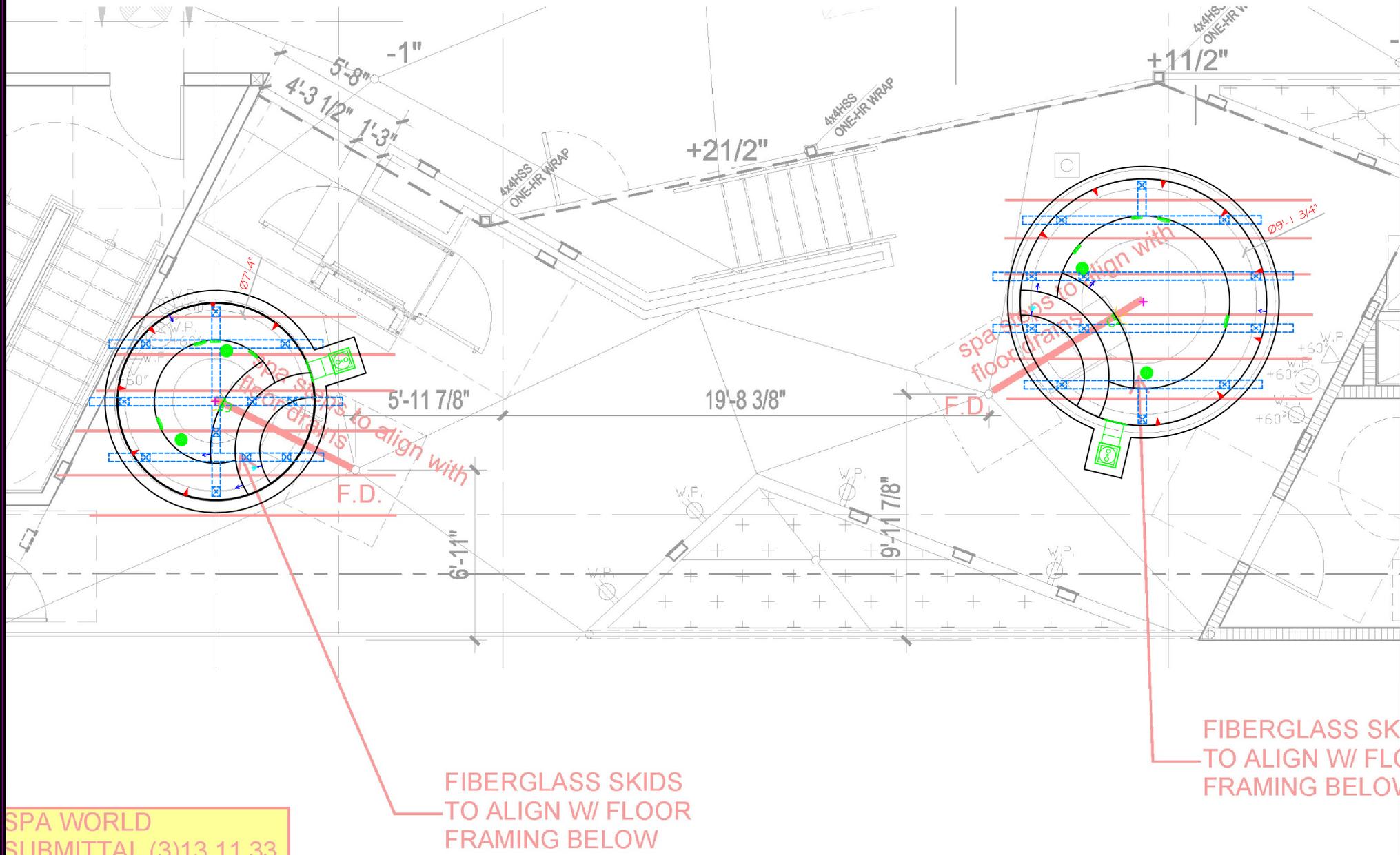
ONE SANTA FE

DATE

1/9/2013

SHEET

PAGE 2 OF 2



SPA WORLD
 SUBMITTAL (3)13 11 33
 1-22-2014

FIBERGLASS SKIDS
 TO ALIGN W/ FLOOR
 FRAMING BELOW

FIBERGLASS SKIDS
 TO ALIGN W/ FLOOR
 FRAMING BELOW

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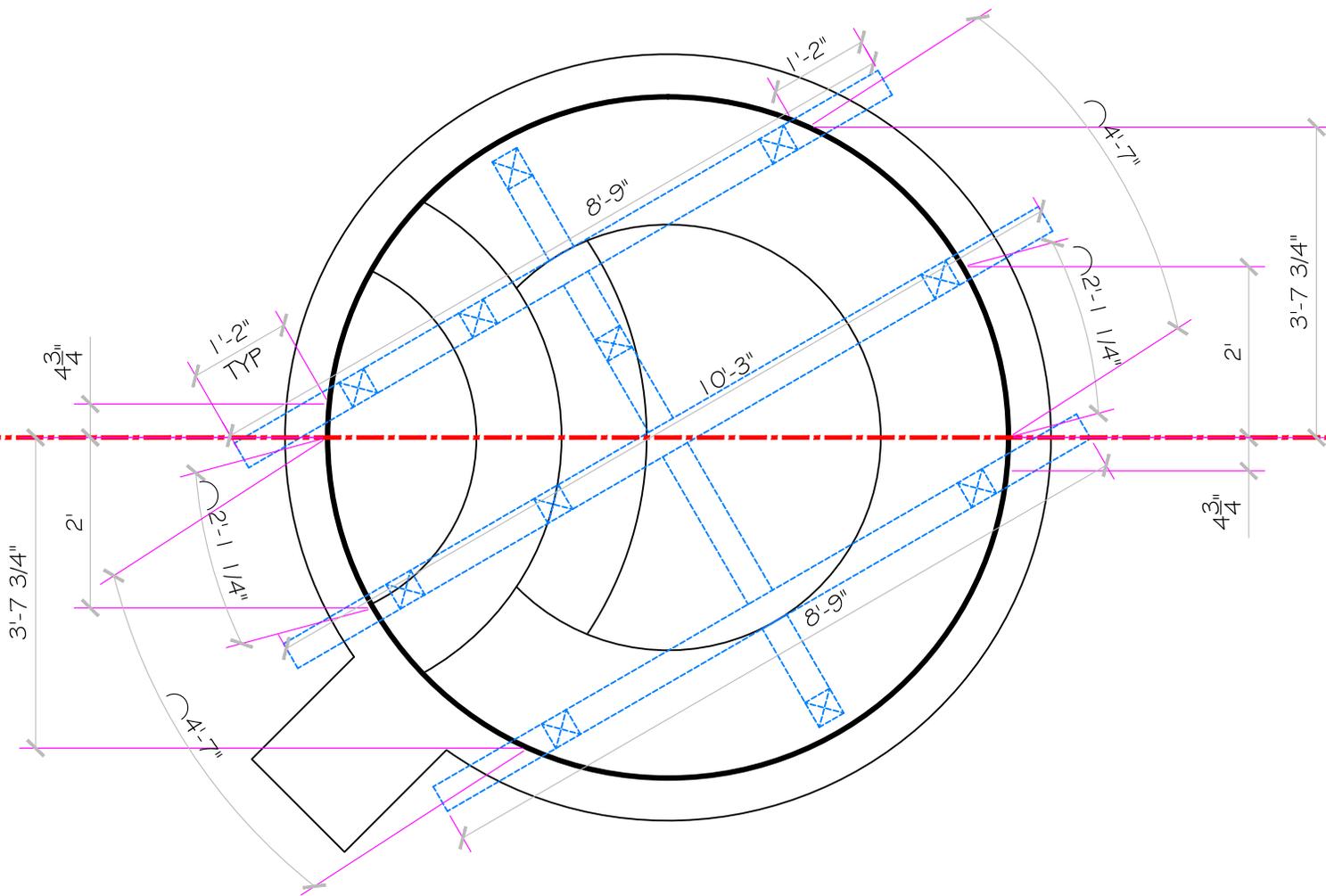


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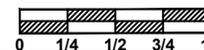
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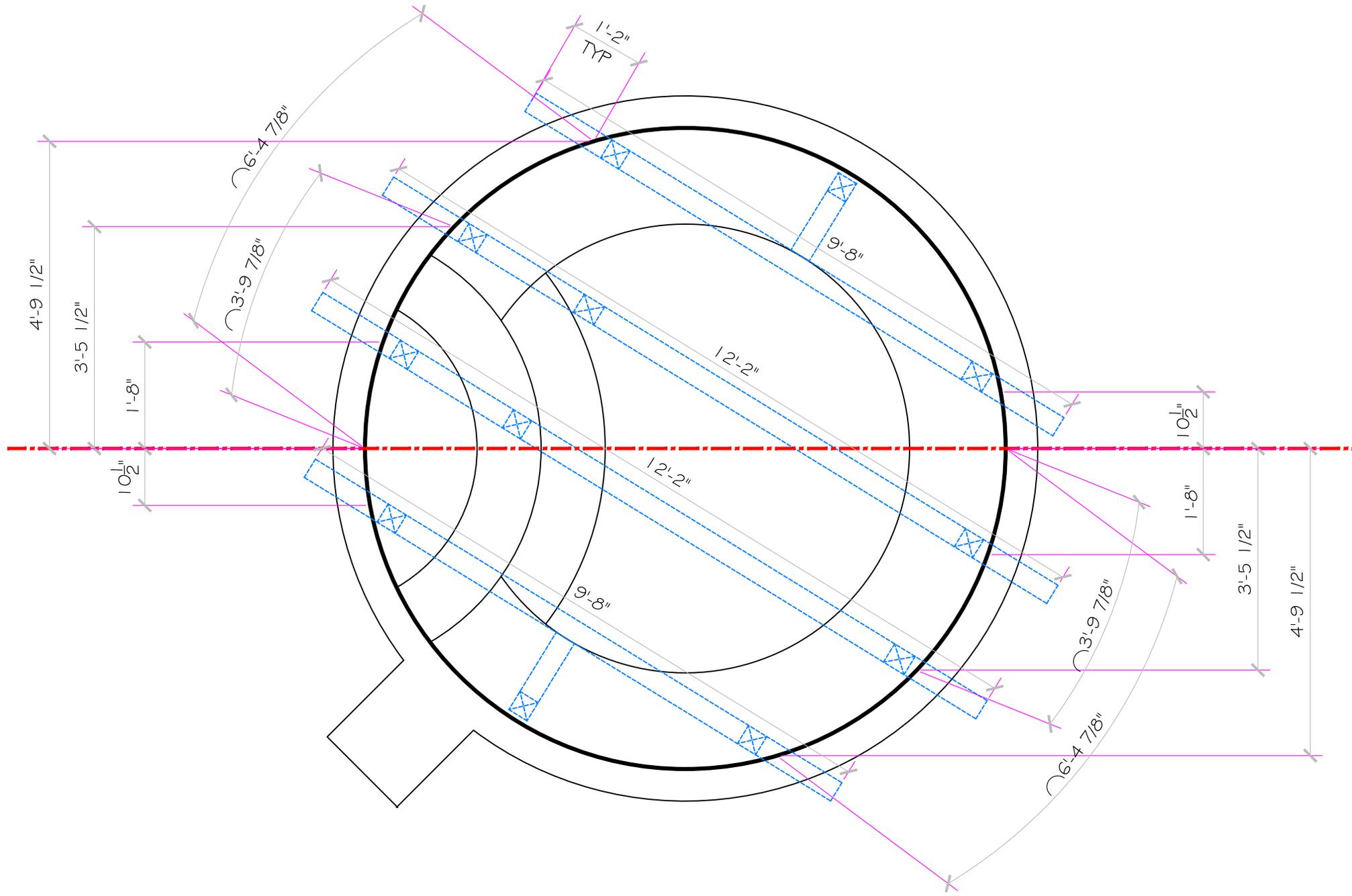
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DWG TYPE
 Skid Detail (1)
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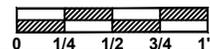
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DWG NAME

ONE SANTA FE

DATE

1/29/2014

DWG TYPE

Skid Detail (2)

SHEET

PAGE 2 OF 2

**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.**

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IN-GROUND

INSTALLATION

ALL DIMENSIONS SUBJECT TO 1/4" TOLERANCES

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

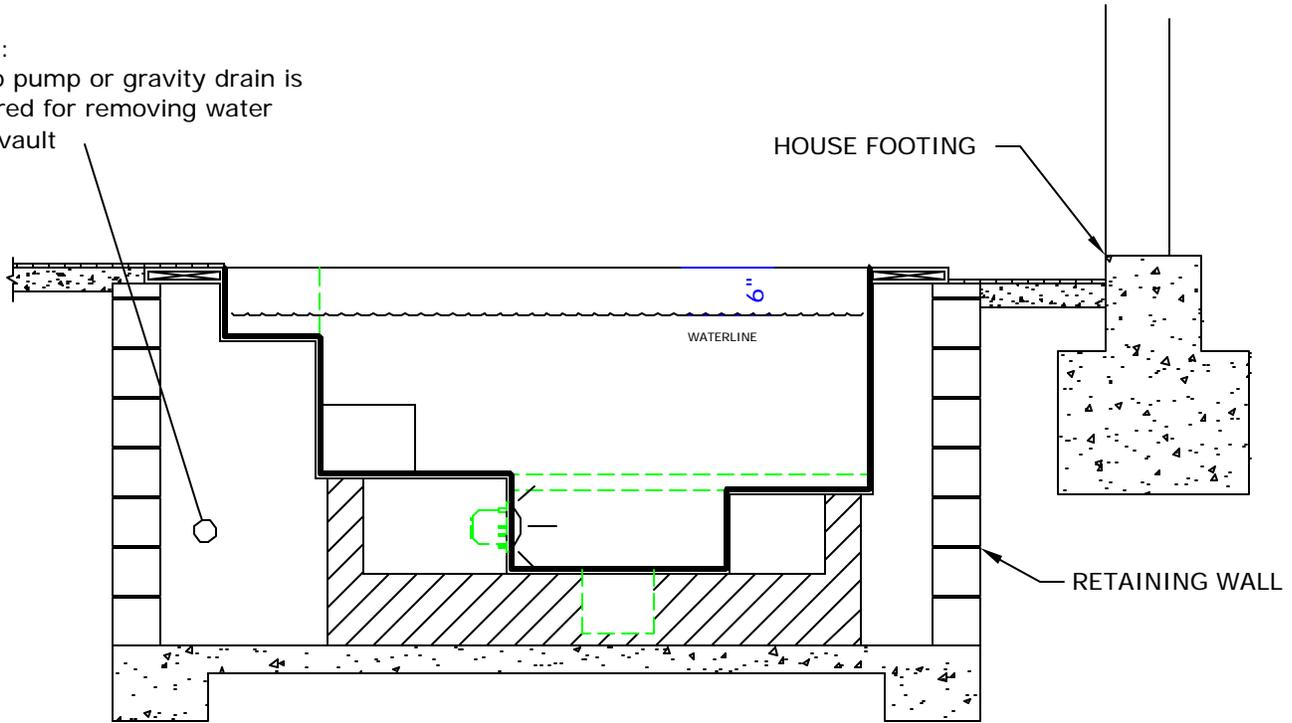
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JOB : STANDARD INSTALL

DW #: SI-1, SI-2

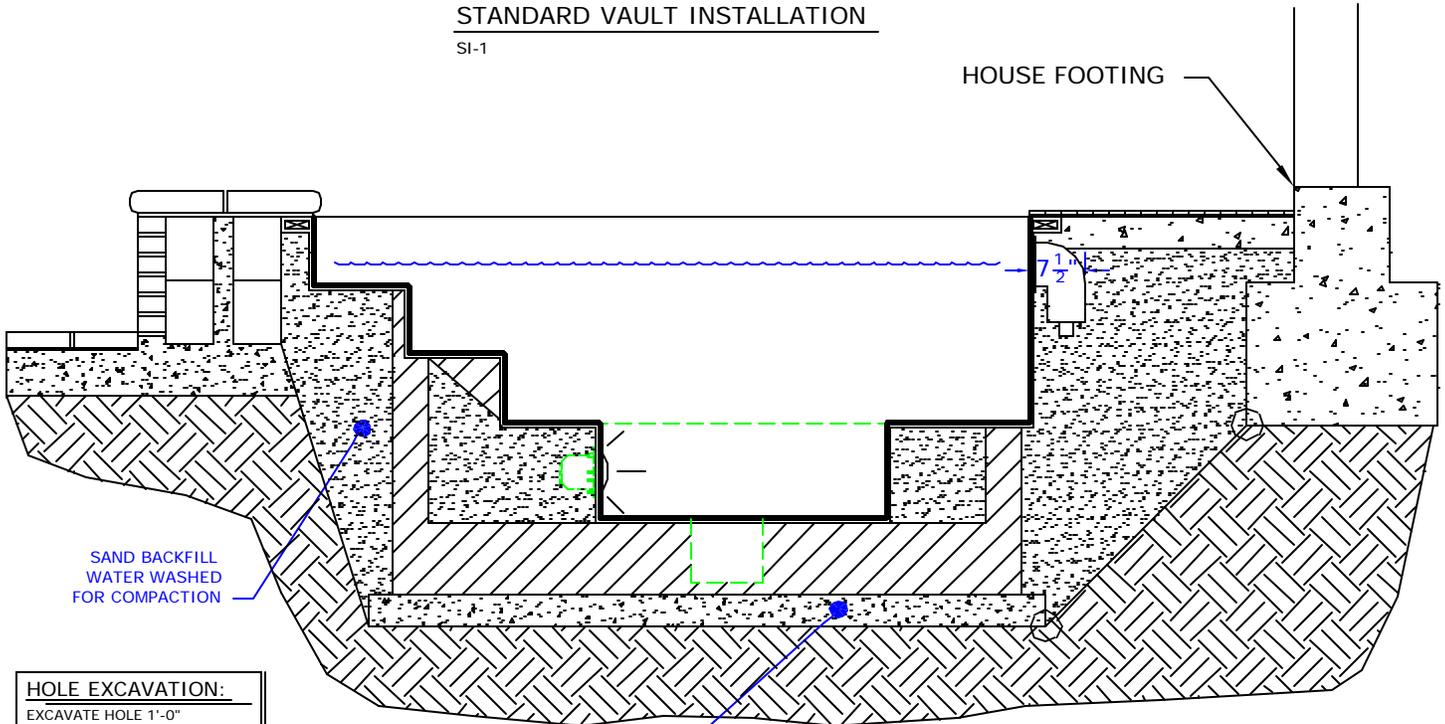
NOTE:

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

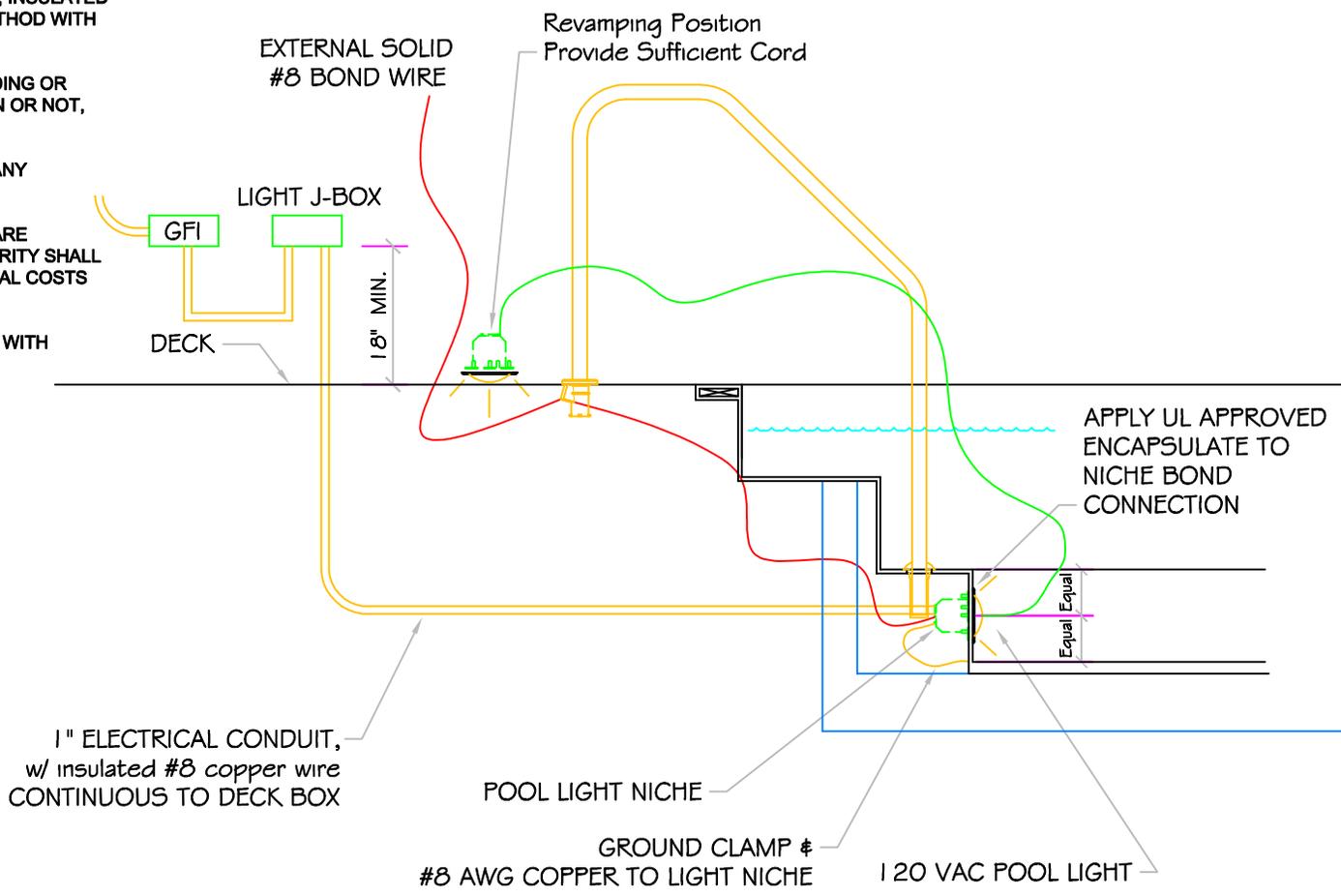
NOTE:

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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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.