



NESPA
TILED SPAS

Production Booklet

for

MILL CREEK 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.

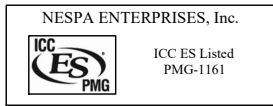
D. SPA LIGHT:

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

E. TILE SERVICING:

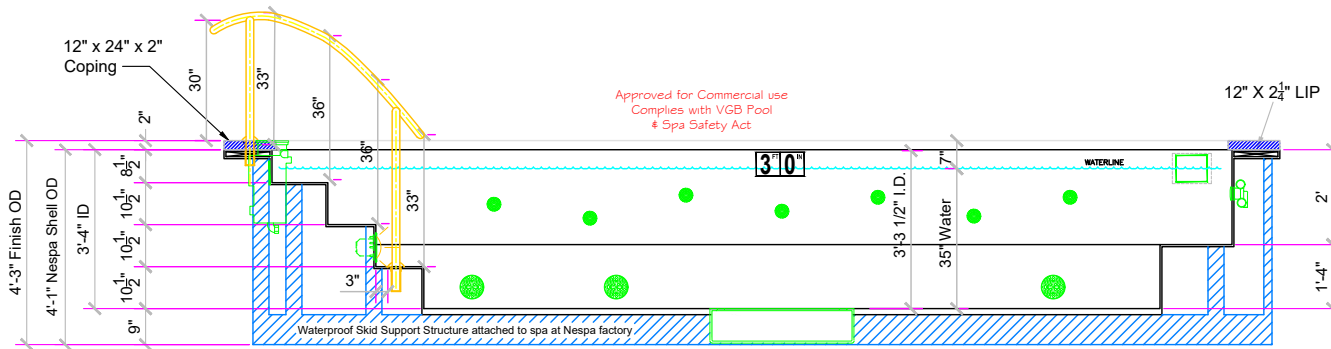
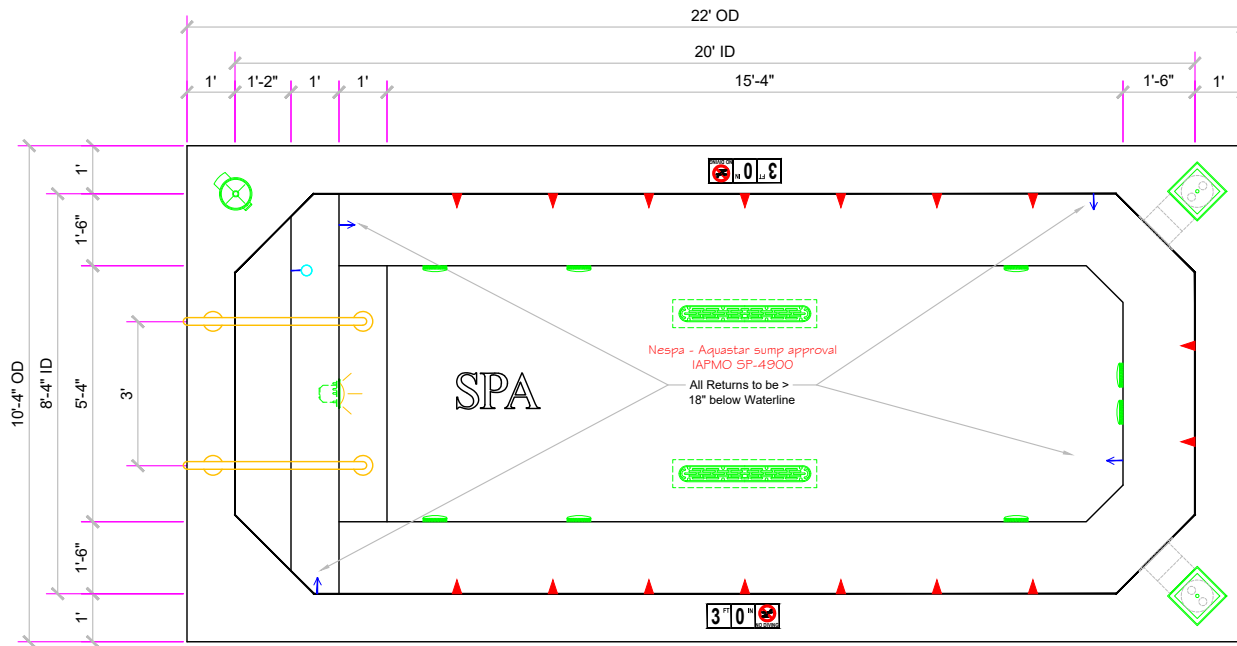
- 1) Contact manufacture when servicing tile or grout. @ (530) 534-9910

SPECIFICATIONS	
SHELL WEIGHT:	7000 LBS.
WATER WEIGHT:	25131 LBS.
TOTAL SHELL & WATER WEIGHT:	32131.4 LBS.
WATER VOLUME:	403 Cu.Ft.
WATER GALLONS:	3014 GAL.
SURFACE AREA:	161.3 SQ. FT.
ICC ES LISTED #:	PMG-1161



Nespa Model:
Legacy 8420 CS

MAXIMUM OCCUPANCY
- 16 -



APPROVED

ALL DIMENSIONS SUBJECT TO 1/4" TOLERANCES

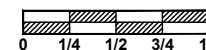
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"A" Size Sheet

SCALE
1/4" = 1'



DWG TYPE

Spa SD

DWG NAME

MILL CREEK SPA SHOP

DATE

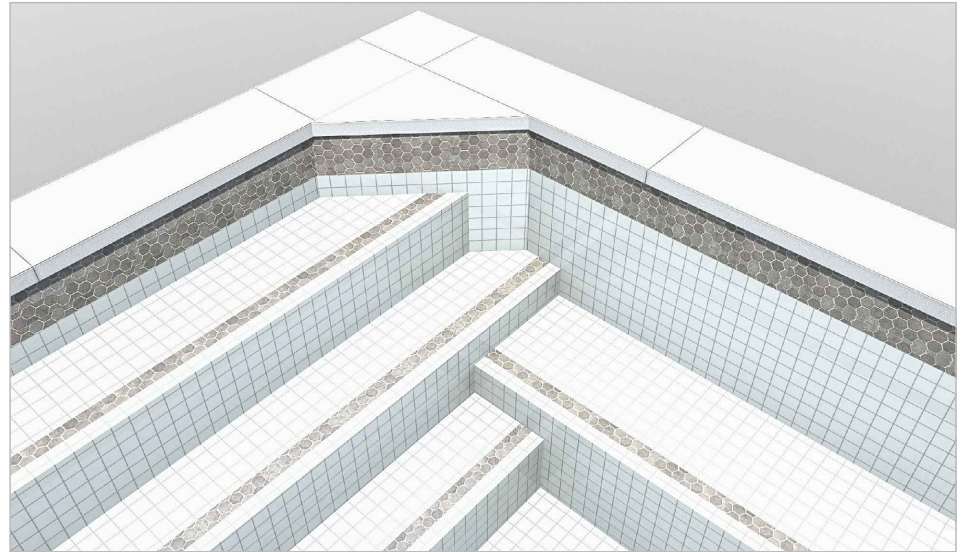
7/7/2020

SHEET

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TILE

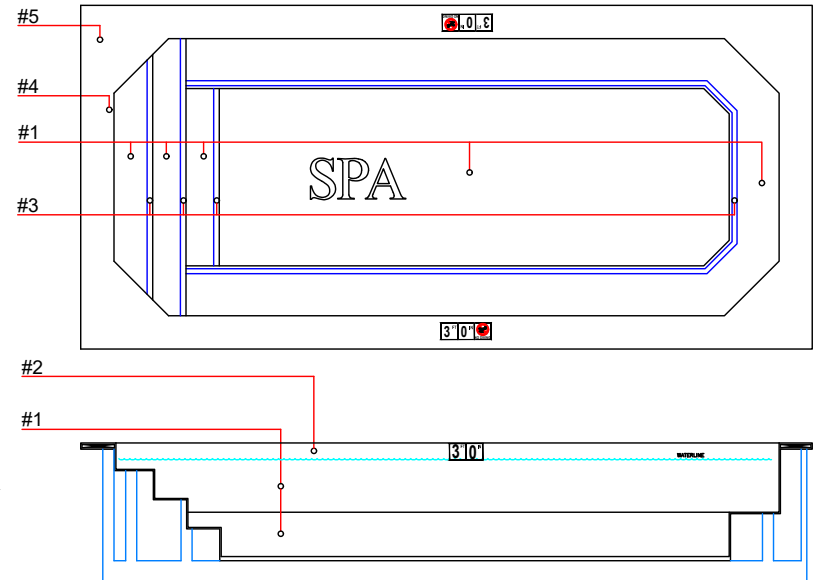
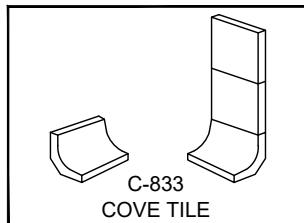
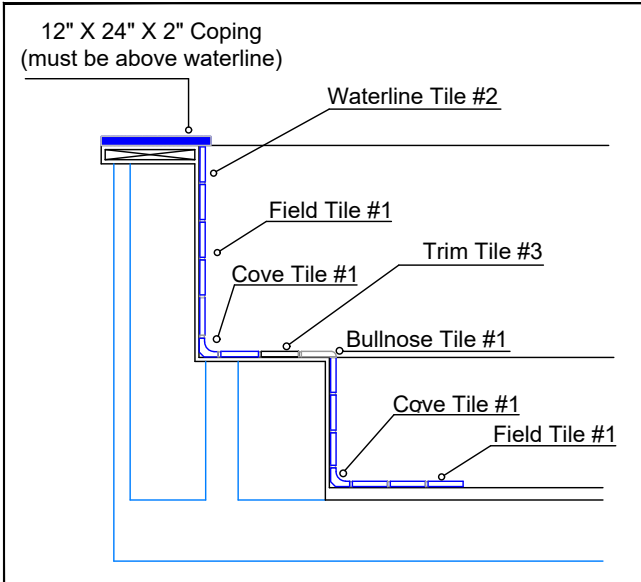
#1 - FIELD TILE:	Daltile - D617 - Bright White - 2 X 2	
#2 - WATERLINE :	Daltile - Buffstone Range D147, 1" HEX	
#3 - TRIM TILE:	Daltile - Buffstone Range D147, 1" HEX	
#4 - TILED LIP (Edge Trim):	STEPSTONE, INC - GRANADA White #1401 (Slag) - 12" X 24" X 2"	
#5 - TILED LIP (Horizontal Field):	STEPSTONE, INC - GRANADA White #1401 (Slag) - 12" X 24" X 2"	



GROUT

#1 - SPA Field Grout:	_____
#2 - SPA Waterline Grout:	All Grout colors to be revised to match new proposed materials, colors and finishes
#3 - SPA Horizontal Lip Grout:	_____
#4 - Bench and Step Grout:	All Grout colors to be revised to match new proposed materials, colors and finishes

DETAIL



DATE: _____

APPROVAL: _____

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All corners / junctions of the Pool shall be covered.
All Horizontal Surfaces Shall be Slip Resistant Tile.

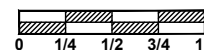
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"A" Size Sheet

SCALE
N/A



DWG TYPE
Spa Tile

DWG NAME

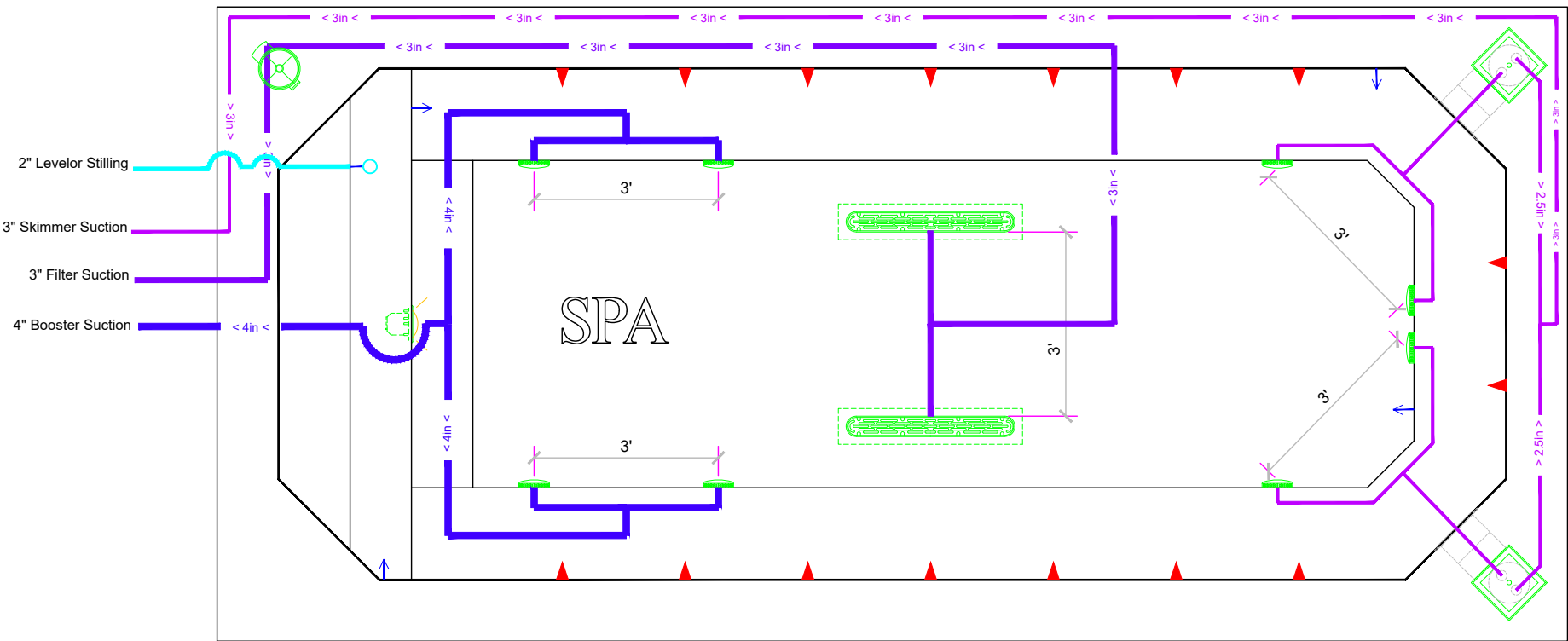
MILL CREEK SPA SHOP

DATE

7/7/2020

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PAGE 2 OF 11



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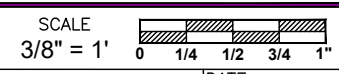
ALL DIMENSIONS SUBJECT TO 1/4" TOLERANCES

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"A" Size Sheet
 SCALE
 3/8" = 1'

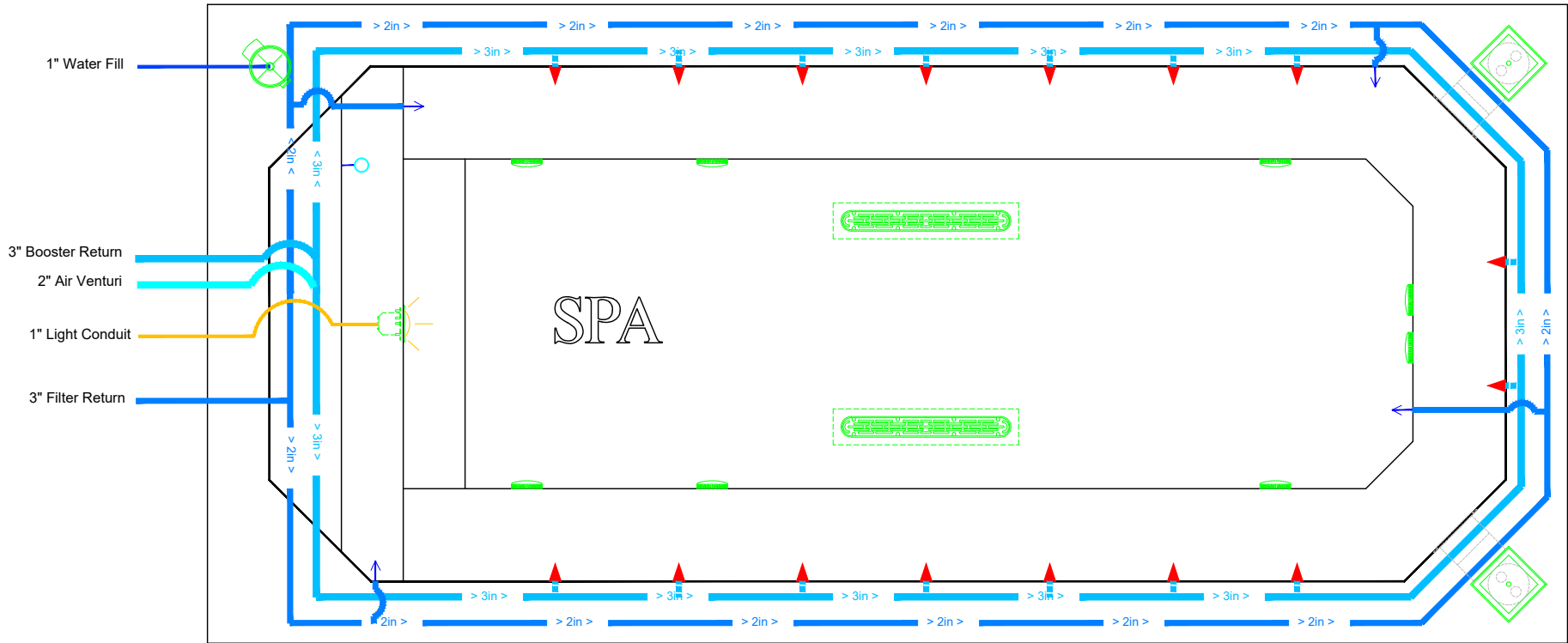


DWG TYPE
 Spa Suction Plumbing

DWG NAME
 MILL CREEK SPA SHOP

DATE
 7/7/2020

SHEET
 PAGE 3 OF 11



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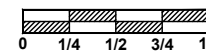
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DWG TYPE

Spa Return Plumbing

DWG NAME

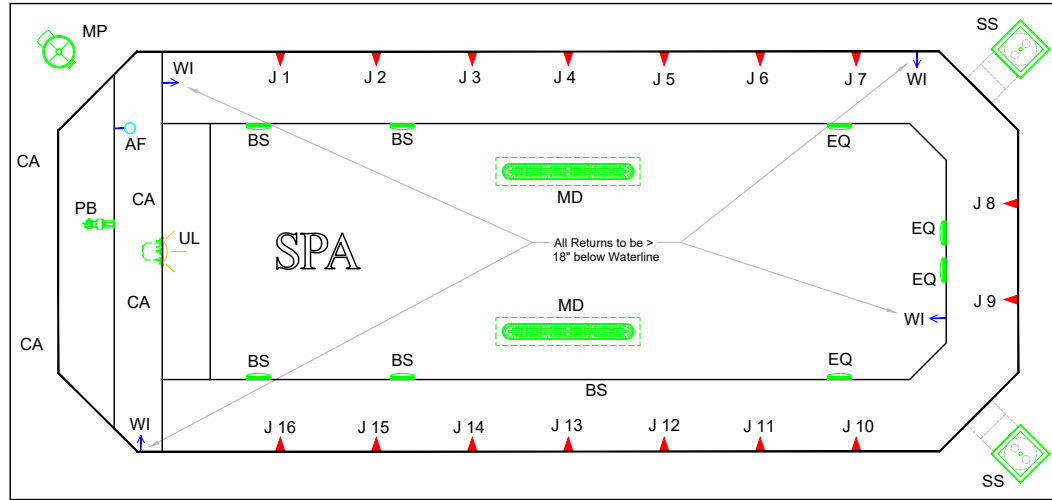
MILL CREEK SPA SHOP

DATE

7/7/2020

SHEET

PAGE 4 OF 11



EQUIPMENT LIST

ITEM	CODE	EQUIPMENT	DESCRIPTION	MANUFACTURER	CATALOG NO.	QTY.
1	SS		SURFACE SKIMMER - AUTOMATIC W/ EQUALIZER, NSF APPROVED	HAYWARD	SP-1084FVE	2
2	BS		Paramount SDX 10" HIGH FLOW SAFETY DRAIN Area of Opening = 43,201 in ² Velocity @ 200 GPM = 1.485 fps V.G.B Approved, Safety Drain Complies w/ ANSI / ASME A112.19.8 & NSF / ANSI 16-2011	AQUASTAR	6PHAXxxx	4
3	MD		MAIN DRAIN: AQUASTAR 32CDFLR, 32" CHANNEL DRAIN, Approved Max Flow Rate: Floor = 316 GPM @ 3.3 fps Complies w/ ANSI / ASME A112.19.8 & NSF / ANSI 16-2011 - V.G.B APPROVED	AQUASTAR	32CDFLR101	2
4	EQ		HYDRO FLOVER DUAL - Sumpless Suction Outlet Floor 177 GPM - Wall 122 GPM Complies w/ ANSI / ASME A112.19.8 & ANSI / APSF-16 for anti-hair and body entrapment Suction outlets comply with ANSI / APSF-7	AQUASTAR	6PHAXxxx	4
5	J#		HYDRO JETS 1-1/2" WATER - 1-1/2" AIR Complies w/ ANSI / ASME A112.19.8 & ANSI / APSF-16 - UL APPROVED	HYDROAIR	10-5100	16
6	WI		INLET FITTINGS 1-1/2" WALL TYPE W/ EYEBALL COMPLIES W/ ANSI CODE ASME A112.19.8-07 UL APPROVED	HYDROAIR	10-3500	4
7	UL		LIGHT NICHE (FOR UNDERWATER LIGHT) W/ 1" HUB	PENTAIR	78242300	1
8	UL		PENTAIR INTELLIBRITE 5g, 12 V, 100 WATT U.L. APPROVED	PENTAIR	640152	1
9	HR		HAND RAIL, STAINLESS STEEL, 3' - 9" LENGTH,	CUSTOM	NESPA	2
10	CA		CUP ANCHOR: 6" BIG BOY SOCKET - USES PW-4C WEDGE	PERMA-CAST	PS-6019-BC	4
11	PB		POOL BOND	PERMA-CAST	PB-2008	1
12	AF		AUTOFILL SENSOR	NESPA	AF	1
13	MP		AUTOFILL DEVICE	MP Industries	MP 1953 J	1

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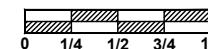
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"A" Size Sheet

SCALE
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DWG TYPE

Spa EQ

DWG NAME

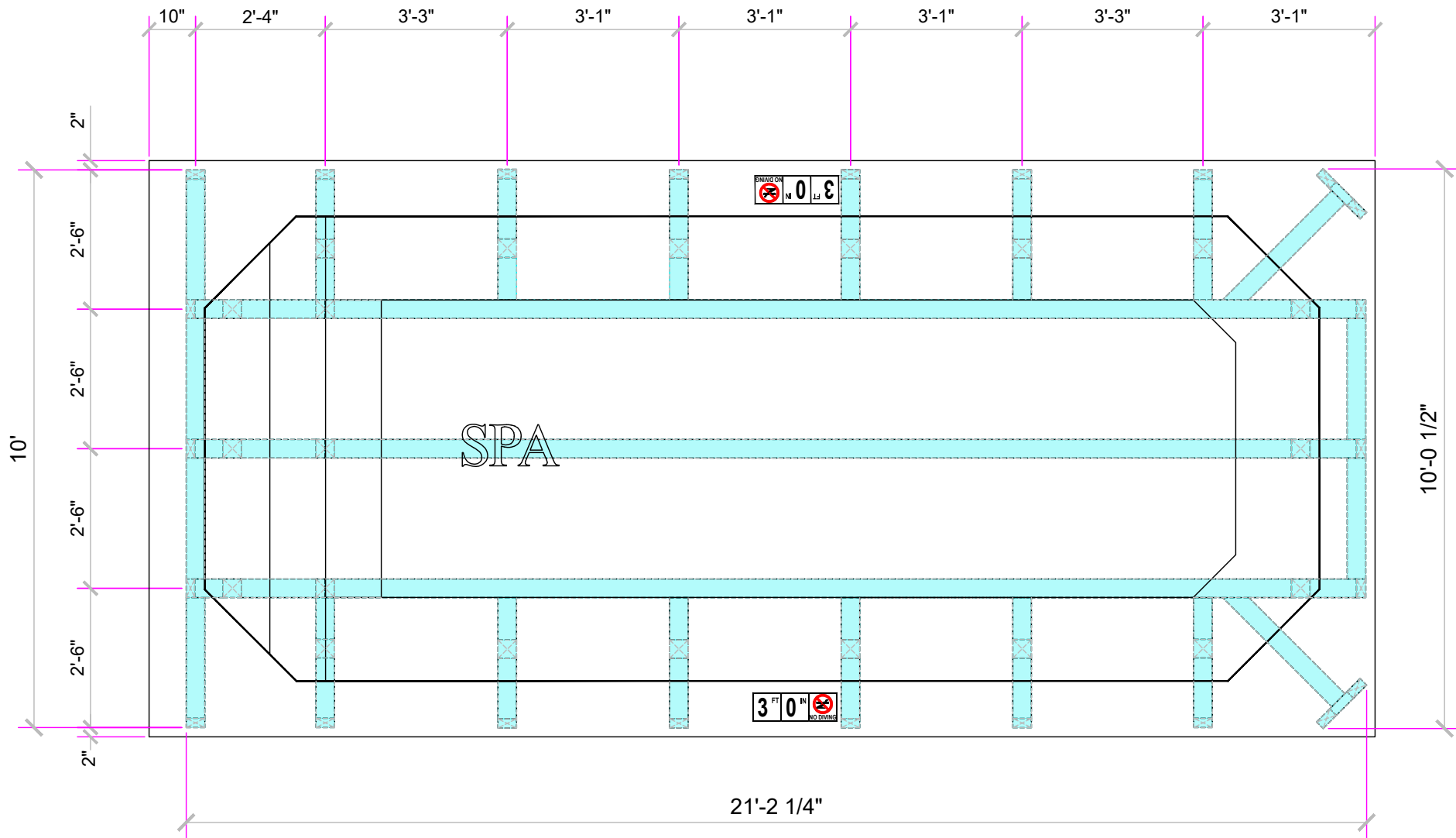
MILL CREEK SPA SHOP

DATE

7/7/2020

SHEET

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"A" Size Sheet
 DWG NAME
 MILL CREEK SPA SHOP

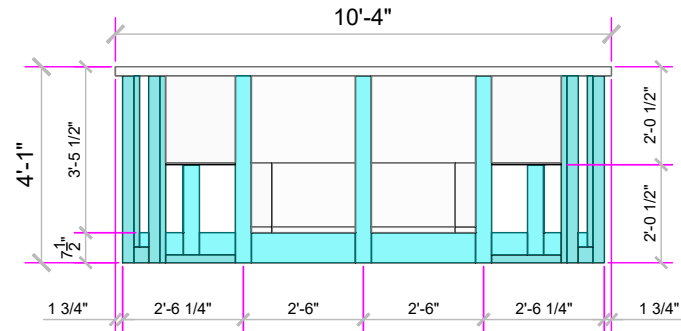
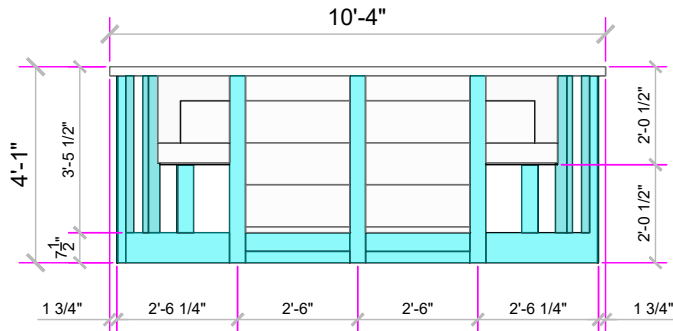
SCALE
 3/8" = 1'
 DATE
 7/7/2020

DWG TYPE
 Spa Skids
 SHEET
 PAGE 6 OF 11

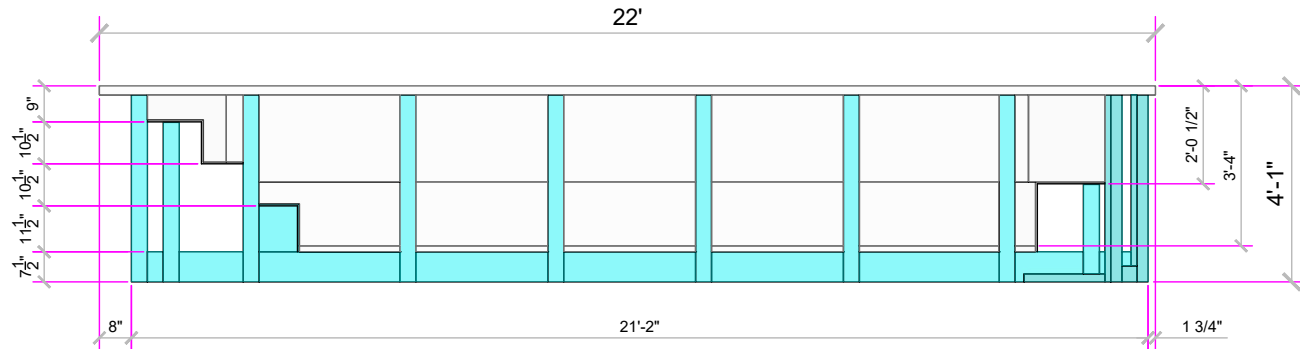
DWG TYPE
 Spa Skids
 SHEET
 PAGE 6 OF 11

ELEVATIONS

Nespa Shell only - No Coping



SPA



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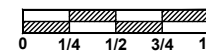
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"A" Size Sheet

SCALE
 1/4" = 1'



DWG TYPE

Elevations

DWG NAME

MILL CREEK SPA SHOP

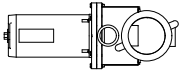
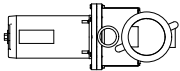

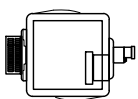






DATE

7/7/2020

SHEET

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EQUIPMENT LIST

ITEM	CODE	EQUIPMENT	DESCRIPTION	MANUFACTURER	CATALOG NO.	QTY.
2	SpaFP		FILTER PUMP- PENTAIR WHISPERFLO - 2 HP	PENTAIR	WFE- 8	1
3	Spa BP		BOOSTER PUMP- PENTAIR WHISPERFLO - 3 HP	PENTAIR	WFE-12	1
5	Spa F		FILTER AND INFLUENT PRESSURE GAUGE Clean & Clear Model	PENTAIR	CCP-320	1
7	Spa H		RAYPAK NATURAL GAS HEATER 399k BTU -110V	RAYPAK	C-R407A	1
8-9	CP		CHEMICAL PUMPS- STENNER MODEL 45M2 - 10 GPD	STENNER	45M2	2
12	CC		CHEMICAL CONTROL- Pentair Intellichem	PENTAIR	521357	1
14	CCT		CHEMICAL CONTAINMENT TANKS - US PLASTICS GEMINI DOUBLE WALL 10 GAL CHEM TANKS CHLORINE	GEMINI	-	1
15	CCT		CHEMICAL CONTAINMENT TANKS - US PLASTICS GEMINI DOUBLE WALL 10 GAL CHEM TANKS ACID	GEMINI	-	1
16	SG		PENTAIR SALT GENERATORS IC20	PENTAIR	IC20	1
18	CPan		PENTAIR COMPOOL LX802 WITH PENTAIR LOAD CENTER -	PENTAIR	#521213	1
20	FM		FLOWMETER - BLUE WHITE MODEL F-300 FOR 2" PVC	BLUE WHITE	F-300	1

SPA

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ALL DIMENSIONS SUBJECT TO 1/4" TOLERANCES

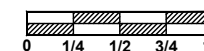
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"A" Size Sheet

SCALE
N/A



DWG TYPE

EQ List

DWG NAME

MILL CREEK SPA SHOP

DATE

7/7/2020

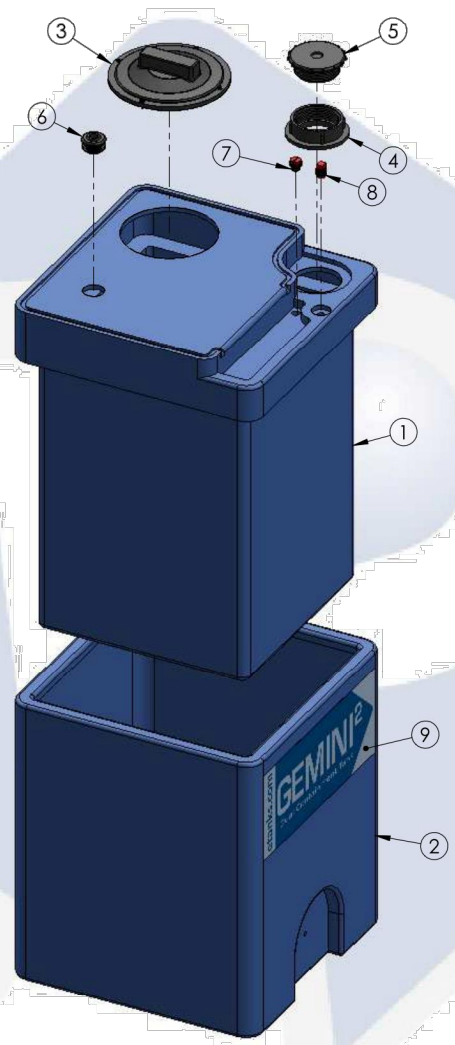
SHEET

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8 7 6 5 4 3 2 1



**ISO VIEW
(ASSEMBLED)**



**TRIMETRIC VIEW
(EXPLODED)**

10 GALLON GEMINI ²	PART NUMBER	
	BLUE	NATURAL
STANDARD (1.5 SPG)	01-29816	01-29820
HD (1.9 SPG)	01-30044	01-30048

ITEM NO.	DESCRIPTION	QTY.
1	10G GEMINI ² , INNER TANK	1
2	10G GEMINI ² , OUTER TANK	1
3	4" TWIST LID ASSEMBLY	1
4	2" FNPT SPIN WELD FITTING, PE	1
5	2" THREADED PLUG, PE	1
6	1 1/4" CAPLUG / GROMMET SUB-ASSY	1
7	RED CAPLUG / O-RING SUB-ASSY	1
8	PLUG, 1/4" NPT, RED CAPLUG	1
9	LOGO	1

- NOTES:**
- CAPACITY: 10 GAL. NOMINAL
 - APPROXIMATE WEIGHT: 15 LBS
 - TANK MATERIAL: LLDPE W/ UV INHIBITOR
 - SERVICE PRESSURE: ATMOSPHERIC

PROPRIETARY AND CONFIDENTIAL
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UNLESS OTHERWISE SPECIFIED:		NAME	DATE	
DIMENSIONS ARE IN INCHES		MSM	11/25/13	
TOLERANCES: ±1/4"		DRAWN		PROJECT: 10 GALLON GEMINI ² ASSEMBLY
ANGULAR: ± 5°		CHECKED		CUSTOMER: PEABODY STANDARD
ONE PLACE DECIMAL: ± .25		ENG APPR.		SITE/LOCATION:
TWO PLACE DECIMAL: ± .125		MFG APPR.		DRAWING#: SEE TABLE
THREE PLACE DECIMAL: ± .063		G.A.		ALTERNATIVE VERSIONS
TANK MATERIAL: LLDPE	INNER TANK S/N:	MATERIALS: XLPE, PPL, PVDF		SIZE B
OUTER TANK S/N:	CUSTOMER PO#	COLORS: NATURAL, BLUE OR BLACK		DESC. PEABODY 10 GALLON GEMINI ²
DO NOT SCALE DRAWING		CALL FOR PART NUMBERS		REV. C
		SCALE: 1:8	SHEET 1 OF 2	

APPROVED

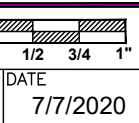
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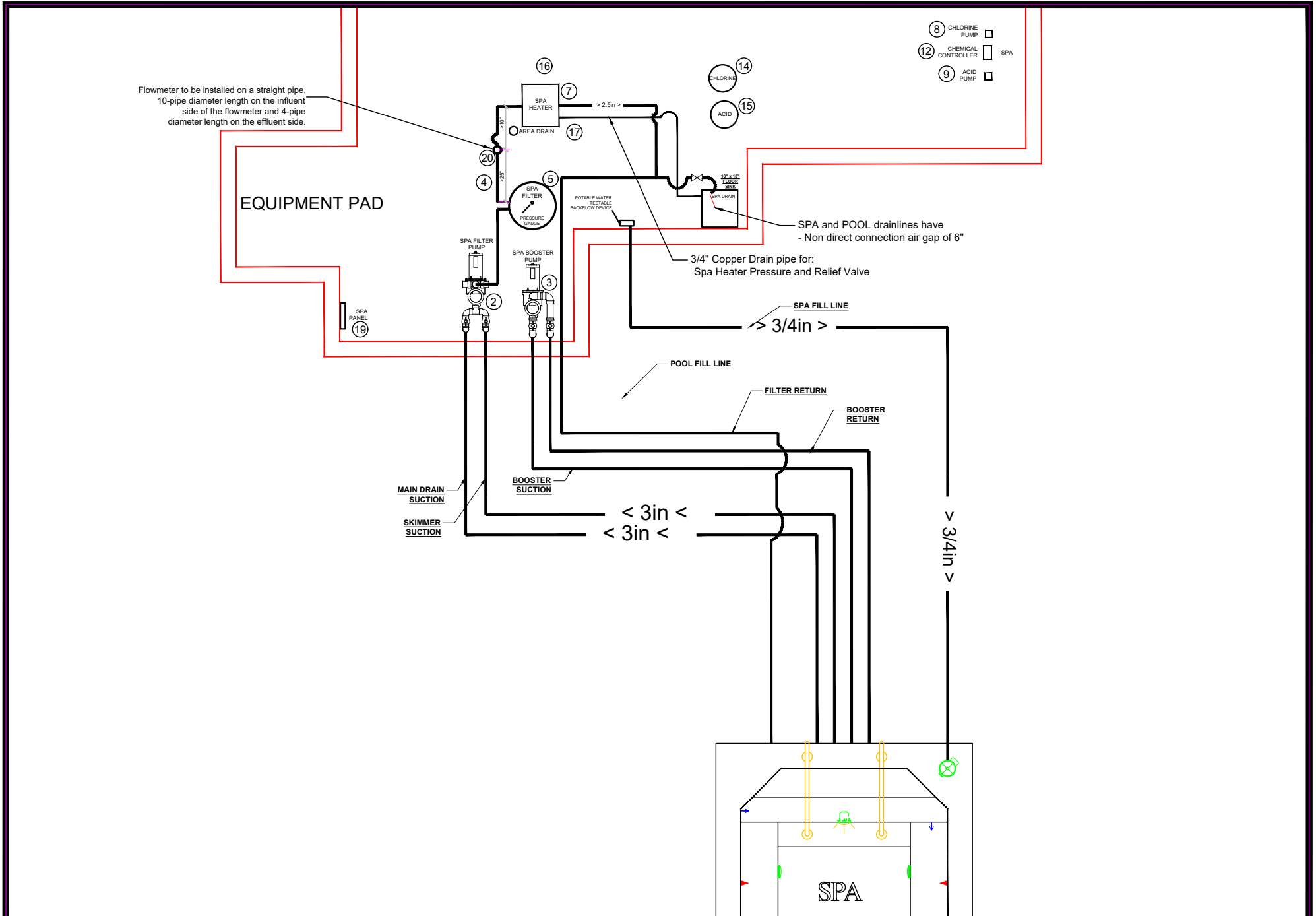


"A" Size Sheet
 DWG NAME MILL CREEK SPA SHOP

SCALE N/A
 DATE 7/7/2020



DWG TYPE EQ List (2)
 SHEET PAGE 9 OF 11



Flowmeter to be installed on a straight pipe, 10-pipe diameter length on the influent side of the flowmeter and 4-pipe diameter length on the effluent side.

EQUIPMENT PAD

- 8 CHLORINE PUMP
- 12 CHEMICAL CONTROLLER
- 9 ACID PUMP

SPA and POOL drainlines have - Non direct connection air gap of 6"

3/4" Copper Drain pipe for: Spa Heater Pressure and Relief Valve

SPA FILL LINE

POOL FILL LINE

FILTER RETURN

BOOSTER RETURN

MAIN DRAIN SUCTION

SKIMMER SUCTION

BOOSTER SUCTION

SPA

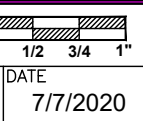
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 Office: (530) 534-9910 Fax: (530) 534-9915
 E-Mail: jim@tiledspas.com Web Site: www.tiledspas.com



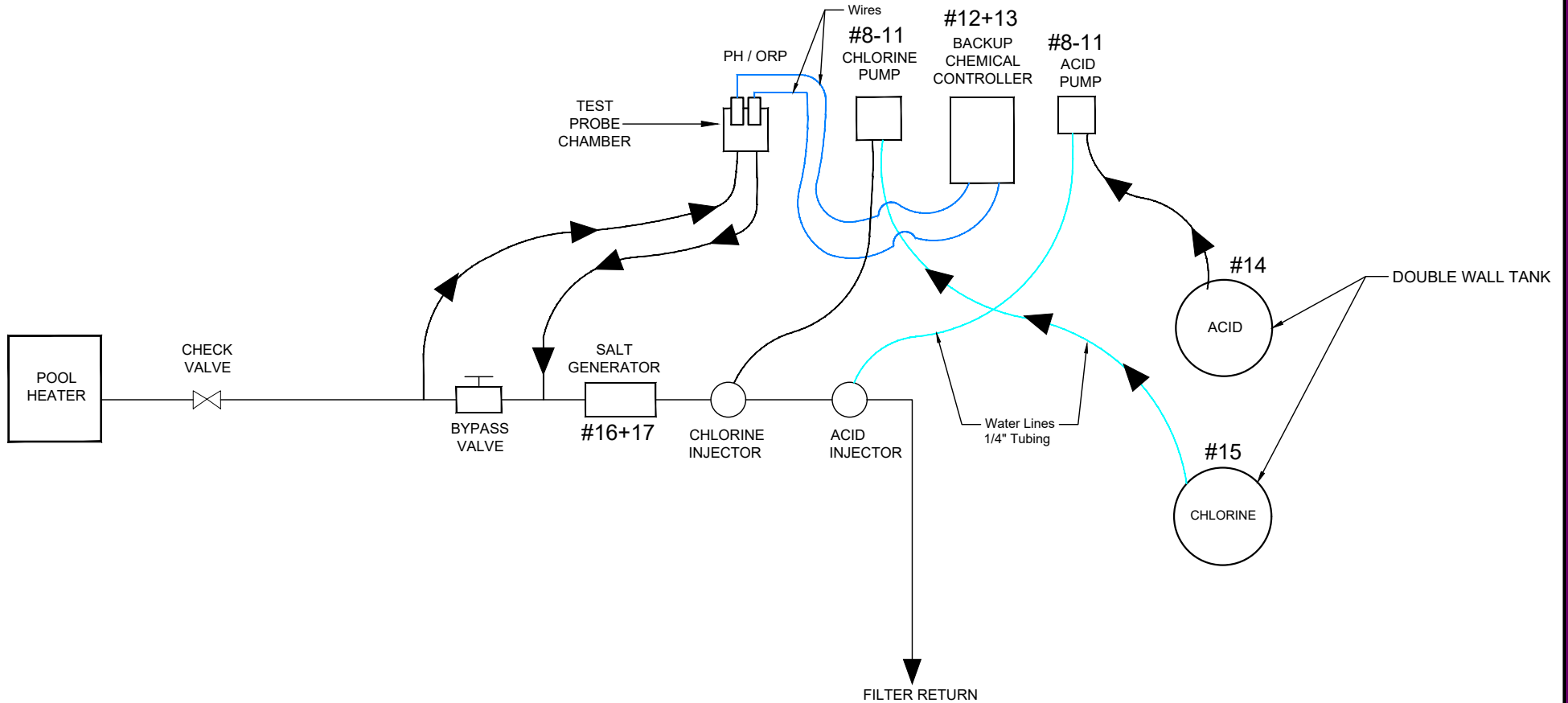
"A" Size Sheet
 DWG NAME
MILL CREEK SPA SHOP

SCALE
 N/A
 DATE
7/7/2020



DWG TYPE
EQ Layout
 SHEET
PAGE 10 OF 11

TYPICAL CHEMICAL SYSTEMS - POOL AND SPA



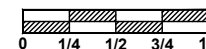
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N/A



DWG TYPE
EQ Layout (2)

DWG NAME
MILL CREEK SPA SHOP

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7/7/2020

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PAGE 11 OF 11



WATER FILL
 LIGHT CONDUIT
 BOND WIRE
 BOOSTER RETURN
 FILTER SUCTION

AIR VENTURI
 FILTER RETURN
 BOOSTER SUCTION
 SKIMMER SUCTION

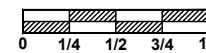
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SCALE
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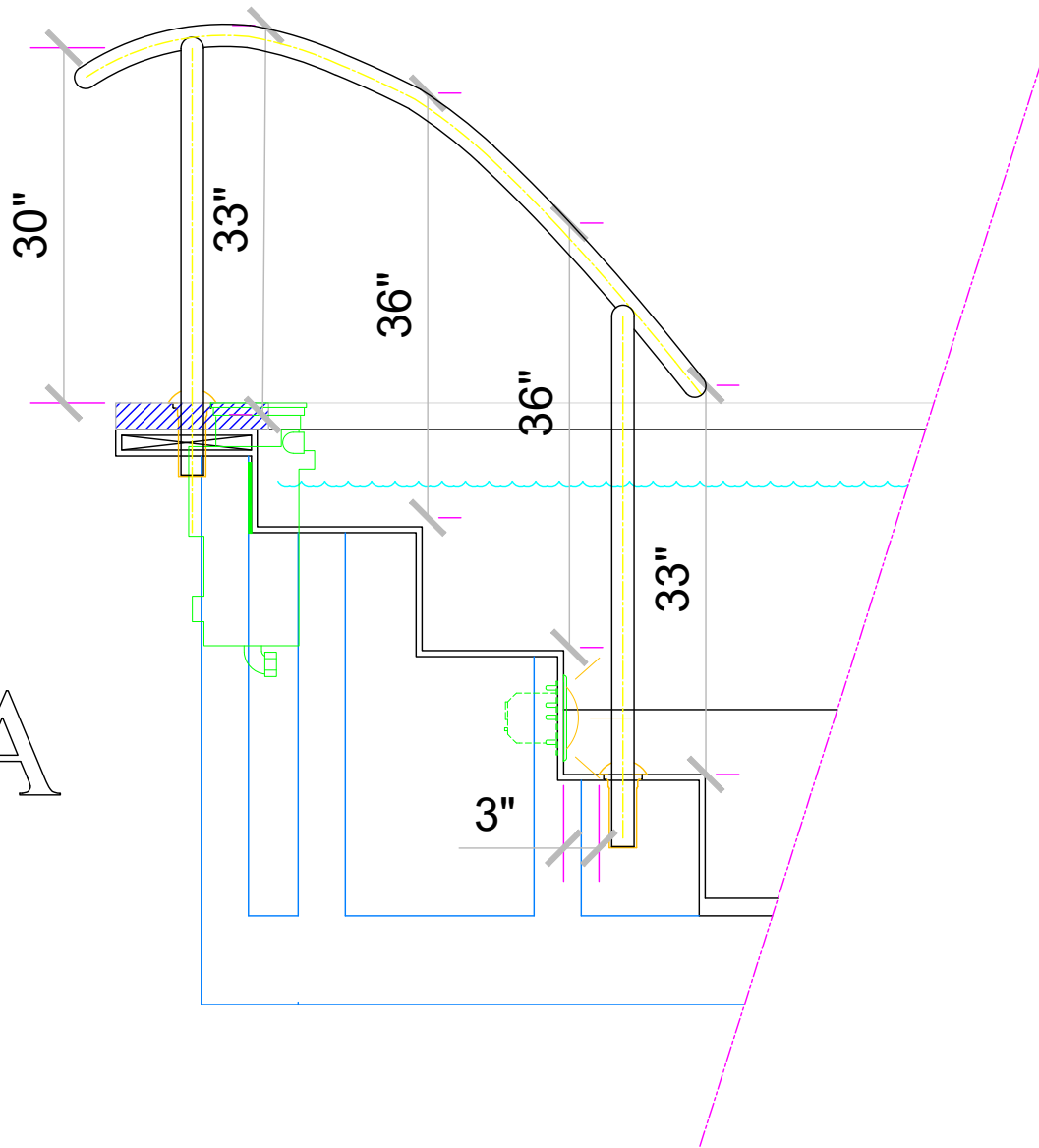
DWG TYPE
Plumbing ID

DWG NAME
MILL CREEK SPA SHOP

DATE
7/7/2020

SHEET
PAGE 1 OF 1

SPA



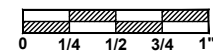
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"A" Size Sheet

SCALE
 3/4" = 1'



DWG TYPE
 Handrail Detail

DWG NAME

MILL CREEK SPA SHOP

DATE

7/7/2020

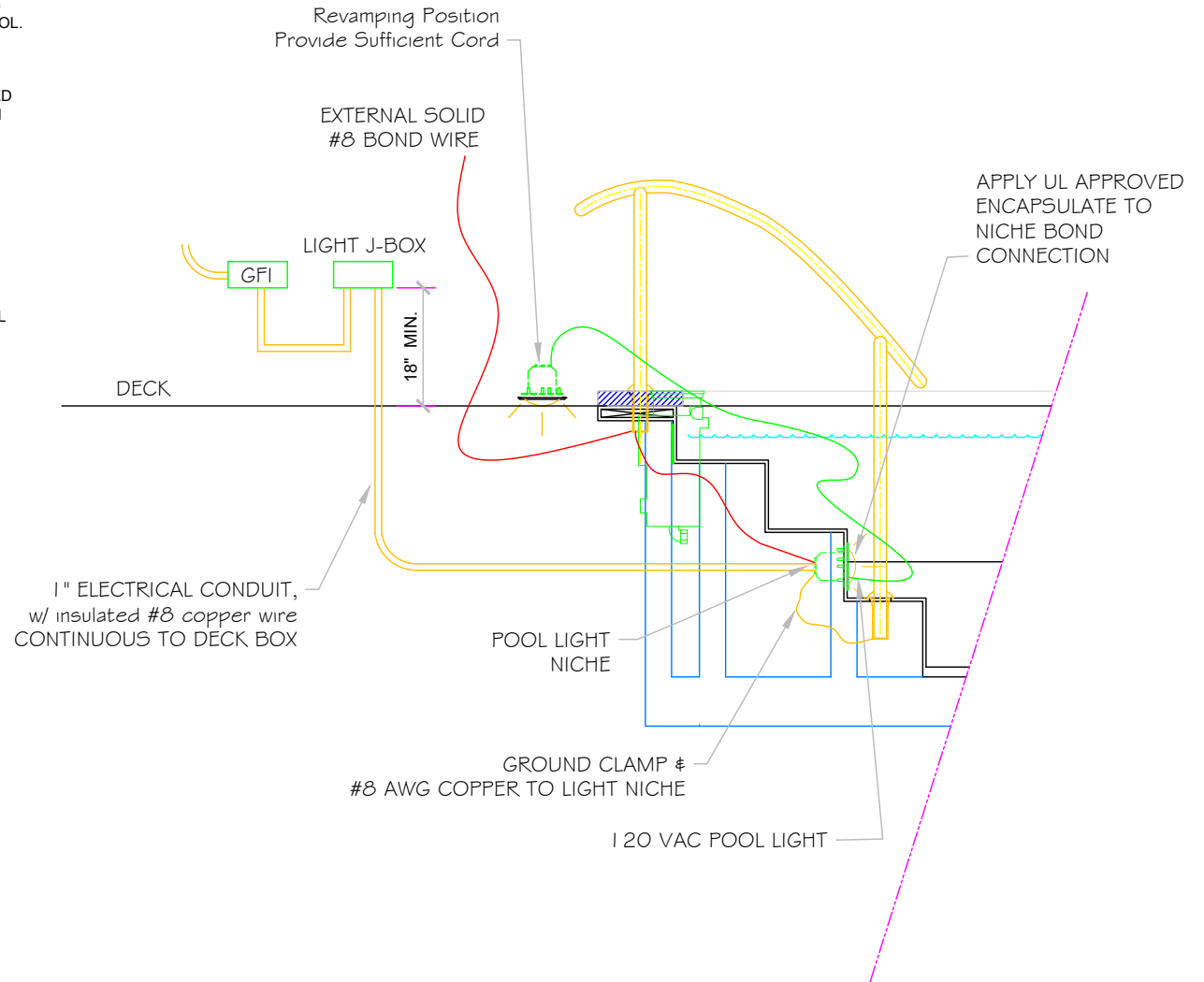
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PAGE 1 OF 1

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



SPA

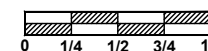
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"A" Size Sheet

SCALE
N/A



DWG TYPE

Light Detail

DWG NAME

MILL CREEK SPA SHOP

DATE

7/7/2020

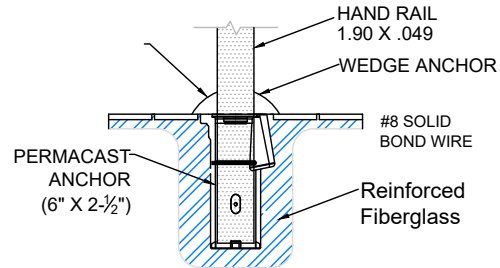
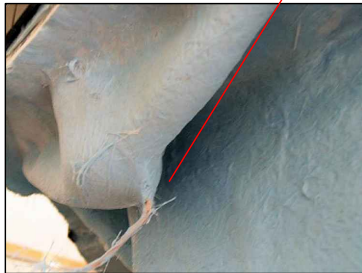
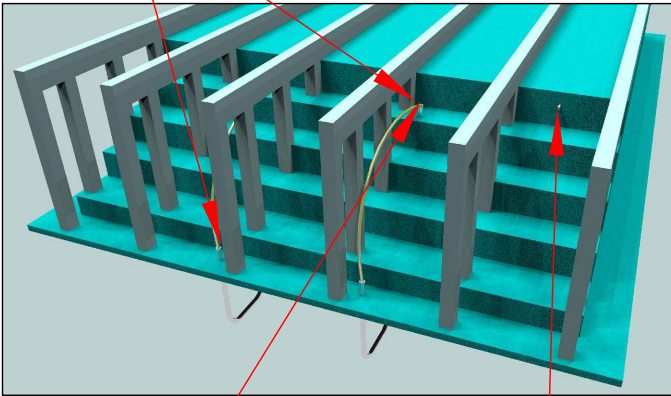
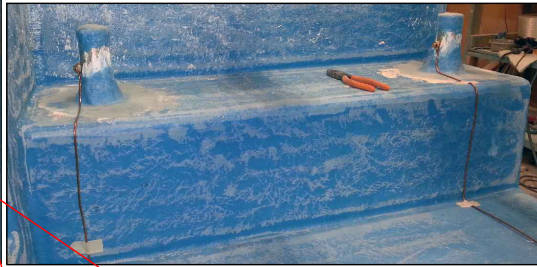
SHEET

PAGE 1 OF 1

BONDING DETAIL



Typical Cup Anchor



NOTE:

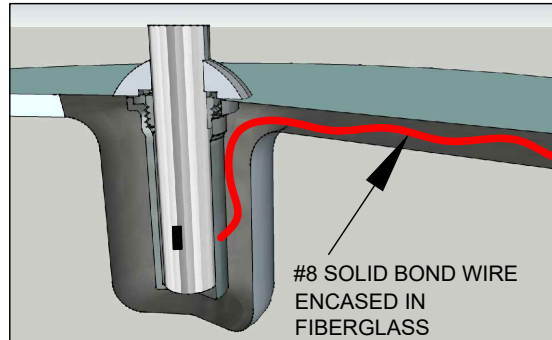
DETAIL REFLECTS ANCHOR INSTALLATION IN NESPA SHELLS ONLY.

CUP ANCHOR SHALL BE BONDED WITH A SOLID #8 COPPER BOND WIRE AND VERIFIED BY A CALIFORNIA LICENSED ELECTRICAL CONTRACTOR.

BOND WIRE WILL BE ENCASED AND COVERED IN FIBERGLASS TO PREVENT WATER LEAKAGE THRU SHELL.

BOND WIRE SHALL EXIT AT EDGE OF SPA AND ATTACH TO DECK BONDING GRID.

1 Anchor Detail



PS-6019-BC
6 Inch Big Boy Socket

Parts List	
QTY	Description
1	PS-6019-BC Socket Bronze
1	PW-4C Wedge
1	Stainless Steel Washer
1	5/16"-18 X 1-3/4" SS Bolt
1	10'-24 x 3/8" Brass Screw

- 6" Deep Socket
- Accommodates 1.90" OD Tubing
- Uses PW-4C Wedge
- Includes Wedge, Washer, Bolt and Bonding Screw

POOLBOND By Permacast

THE 2008 NATIONAL ELECTRICAL CODE (NEC) REQUIRES THAT AN INTENTIONAL ELECTRICAL BOND BE MADE TO THE POOL WATER. THIS REQUIREMENT IS SPELLED OUT IN SECTION 680.26(C) OF THE NEC. THIS REQUIREMENT COVERS BOTH INGROUND AND ABOVE GROUND POOLS, SPAS, AND FOUNTAINS.

PASS ELECTRICAL INSPECTION WITH POOLBOND

POOLBOND PB-2008

- PREMIUM CORROSION RESISTANT BRONZE CASTING
- 1" MALE PIPE THREADS PROVIDES DIRECT INSTALLATION TO YOUR POOL, SPA, AND FOUNTAIN PLUMBING
- 10.5 SQUARE INCHES OF SURFACE AREA CONTACTS THE POOL WATER
- SPLIT BOLT LUG PROVIDES EASY & RELIABLE CONNECTION TO BONDING WIRE

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"A" Size Sheet
 DWG NAME
MILL CREEK SPA SHOP

SCALE
 61/256" =
 DATE
7/7/2020

DWG TYPE
Bonding Detail
 SHEET
PAGE 1 OF 1

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"

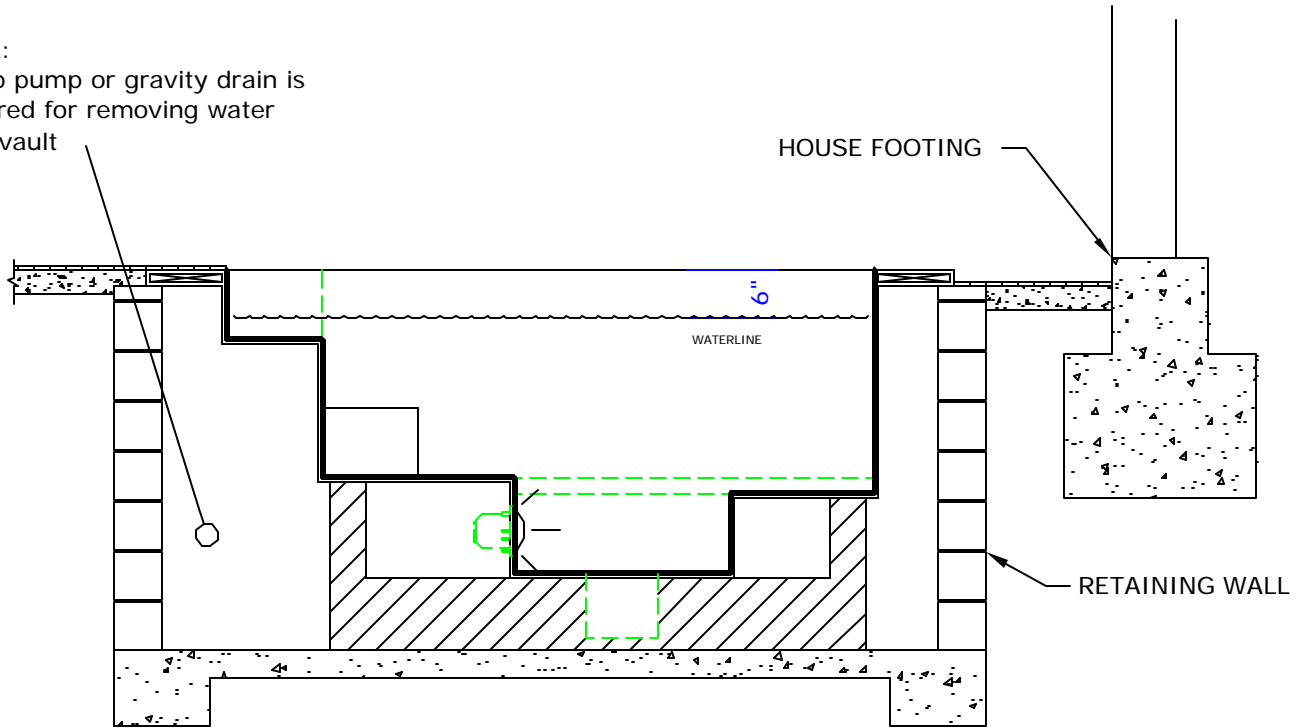
DATE: 3/27/02

JOB : STANDARD INSTALL

DW #: SI-1, SI-2

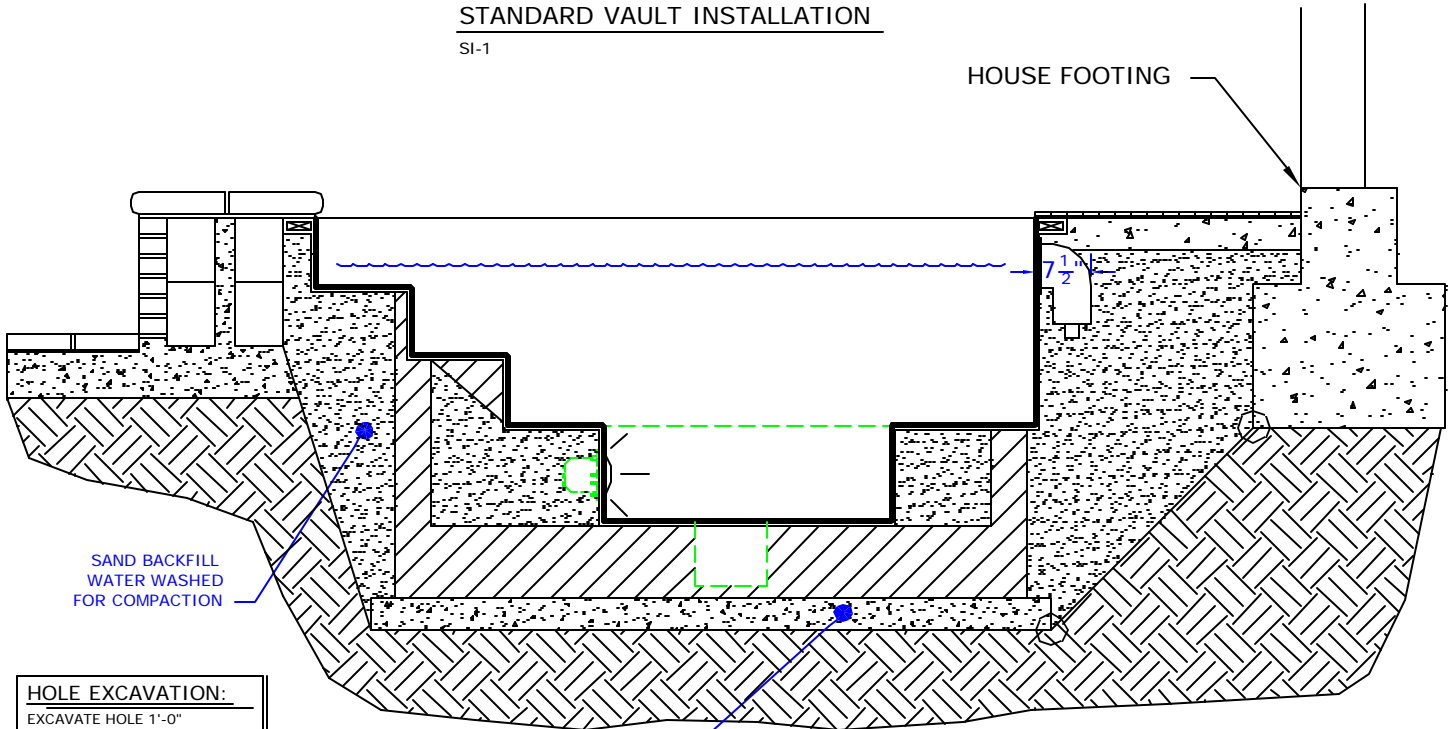
NOTE:

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".

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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.

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