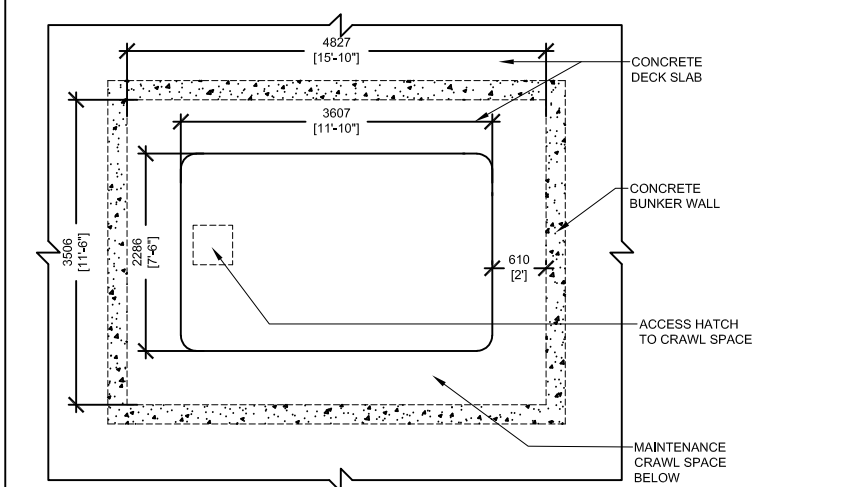
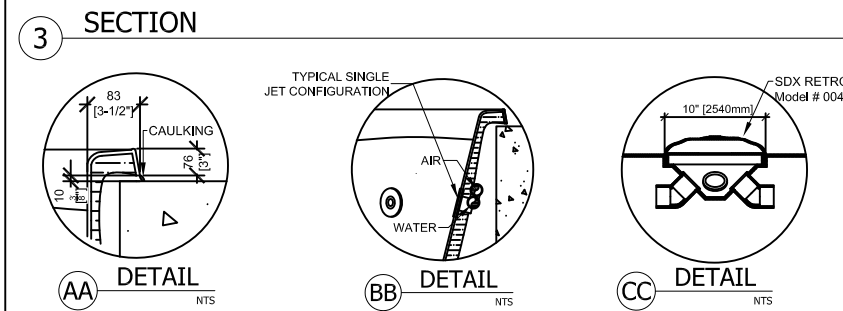
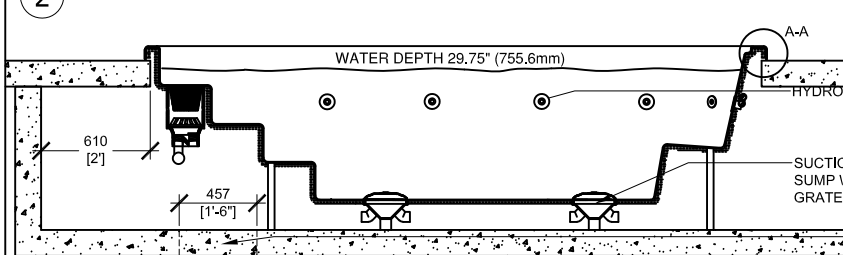
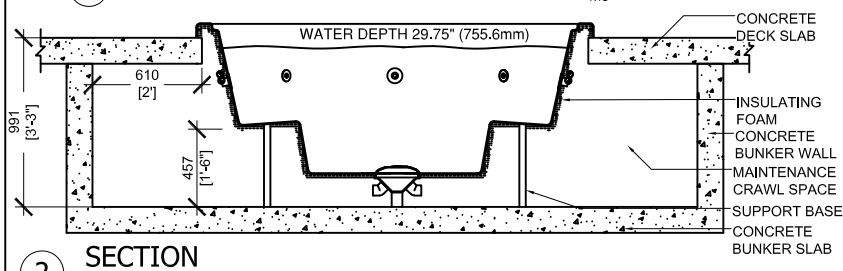
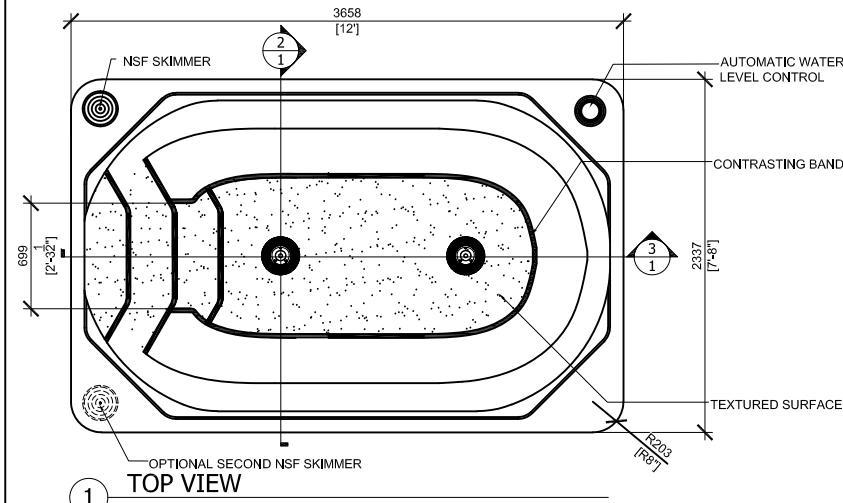
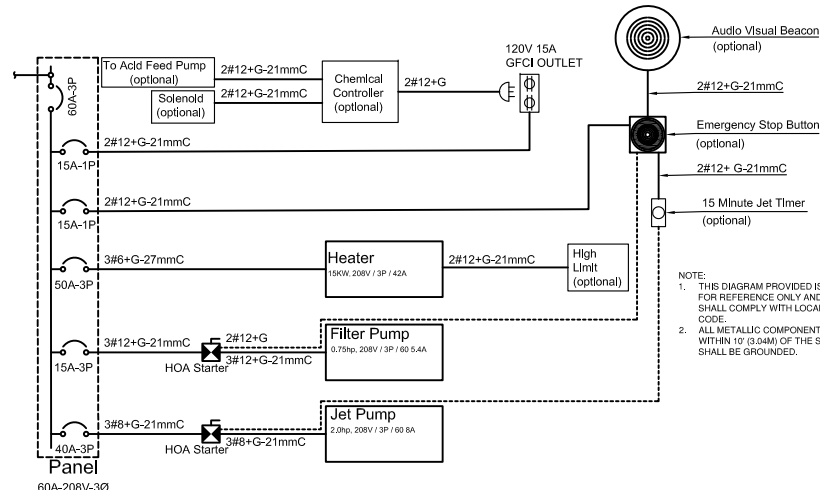


<b>SHELL DIMENSIONS</b>	<b>WIDTH</b>	<b>HEIGHT</b>	<b>VOLUME</b>	<b>WEIGHT EMPTY</b>	<b>WEIGHT FULL</b>	<b>SURFACE AREA</b>
LENGTH 144" [3658mm]	92" [2337mm]	42.5" [1080mm]	@840 GI/ 3180 L	1050 lbs/ 477 kg	8055 lbs/ 3654 kg	59.6 sq.ft [5.36sq.m]

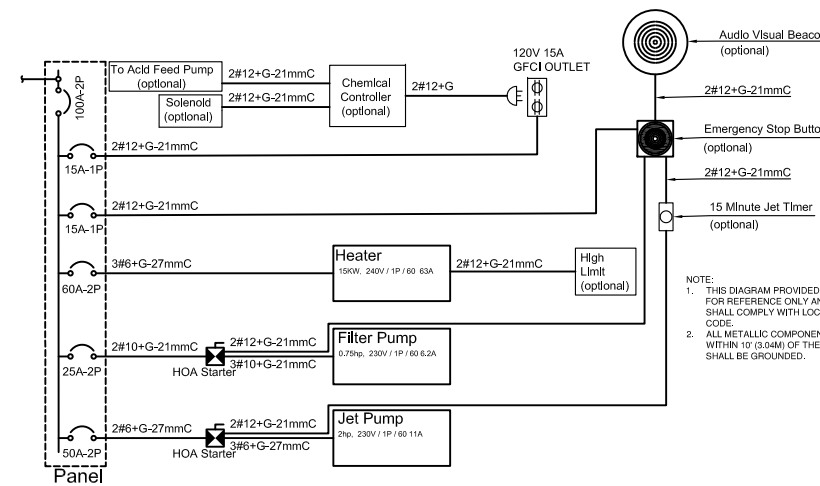
NOTE : Dimensions may differ up to 1/2" (13mm) between Spas. Exact measurements should be obtained from delivered unit.



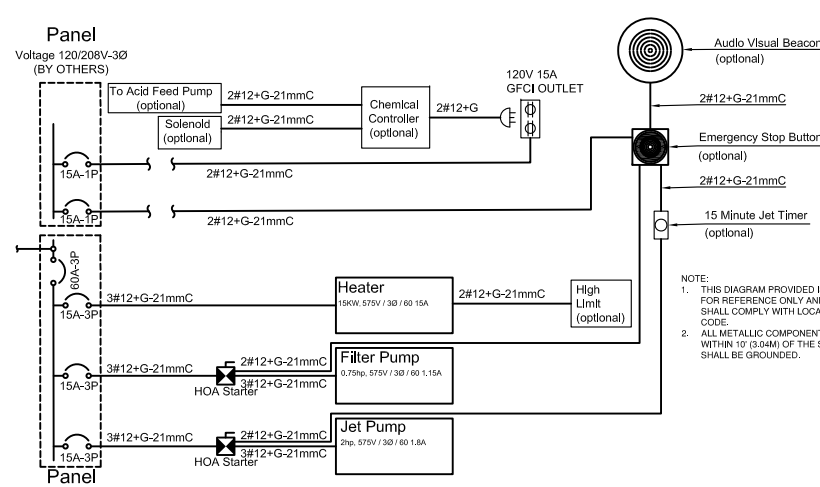
4 CONCRETE BUNKER  
NOTE: CONCRETE BUNKER SHOWN IS BASED ON A RECOMMENDED DESIGN AND IS NOT REQUIRED IN ALL INSTANCES



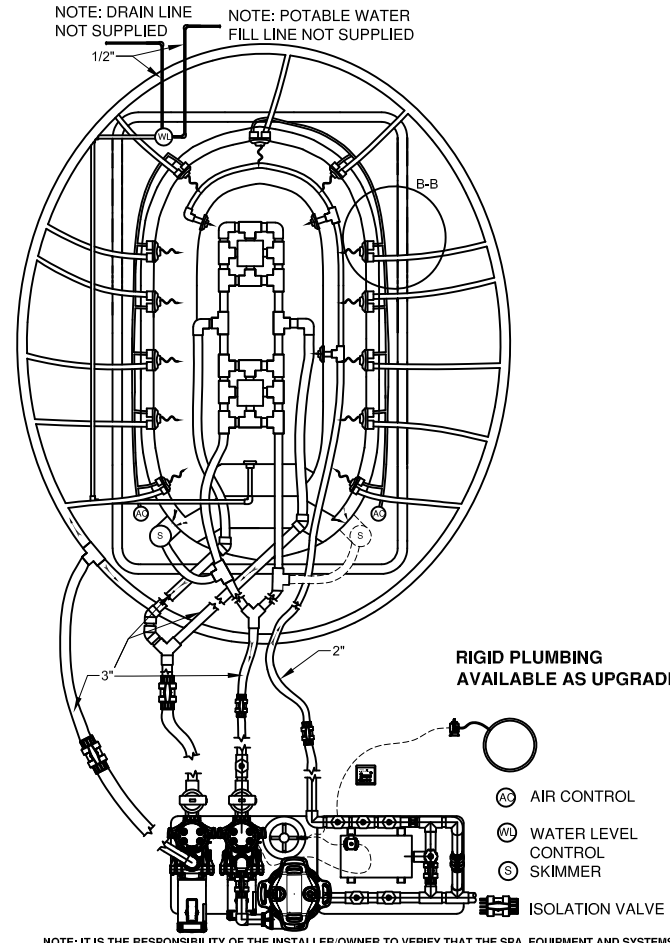
5 ELECTRICAL DIAGRAM 208v 3Φ SYSTEM



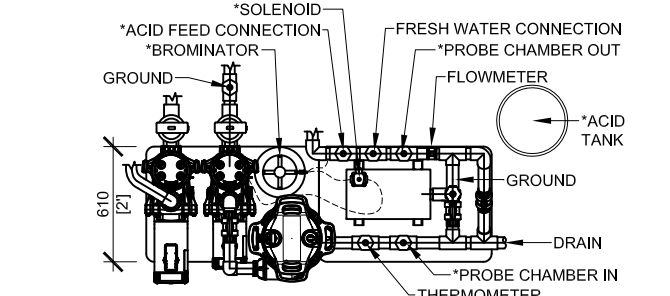
5a ELECTRICAL DIAGRAM 240v 1Φ SYSTEM



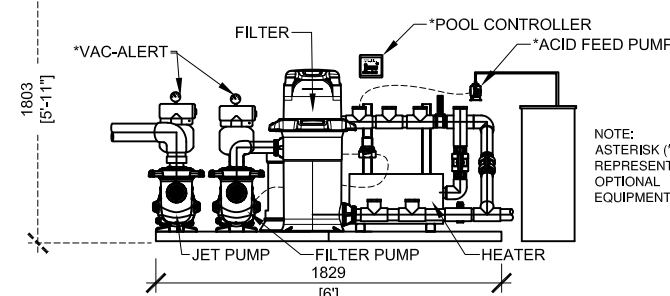
5b ELECTRICAL DIAGRAM 575V 3Φ SYSTEM



6 PLUMBING DIAGRAM



7 MECHANICAL PACK TOP VIEW



8 MECHANICAL PACK FRONT VIEW

**SPECIFICATIONS**

- The shell of the hot tub shall be manufactured of vacuum formed acrylic (.187" sheet) in POLAR WHITE. Hot tub shell overall dimensions: 144" x 92" x 42.5" deep. See dimensional information on this sheet.
- The acrylic shall be further reinforced with fiberglass resins but may require additional on-site bracing supports (customer's responsibility) under the steps and seats.
- The shell shall have the following fittings:
  - 9 Large hydrotherapy jets
  - 4 Small hydrotherapy jets
  - 2 Skimmer, (NSF Listed)
  - 2 Built in bottom drain sumps with removable grate
  - 2 Air control valves
  - 1 Water level tank fitting
  - 1 Water level controller
  - 3 Filtered water return inlets
- The hot tub will be insulated with a coating of polyurethane foam, factory plumbed and hydrostatically tested.
- Recommended HCSP-4 mechanical support system will be shipped on a separate plastic base and shall consist of:
  - 3/4hp filter pump (NSF Listed)
  - 200 sq.ft. cartridge filter (NSF Listed)
  - 2 hp hydrotherapy booster pump (NSF Listed)
  - 15 kW electric heater c/w flow switch
  - Inline thermometers c/w thermowell
  - Inline flow-meter
  - Water level controller with overflow (located at the shell)
- Optional Items
  - Waterline Tile
  - 12V Underwater LED Light
  - Second Skimmer
  - External HI-Limit Switch
  - Electronic Countdown Timer
  - Emergency Push/Pull Button
  - Audio Visual Beacon
  - Safety Vacuum Release Systems
  - Chemical Automation System
  - Substitute for Second Feed Pump and Tank
  - UV Sanitizer
  - Substitute for Sand Filter (NSF Listed)
  - Rigid Plumbing
  - Additional R12 Insulation
  - P-Rail with Flanges
  - P-Rail with Anchors
  - Safety Cover 4'-3" Tapered Hard Cover
- Warranties shall be 5 year on the shell structure, 2 years on the acrylic surface and one year on the plumbing, labor, accessories and parts. On-site plumbing is NOT covered.
- Installation Items NOT covered by this specification and considered "by others" are:
  - Plumbing services including sanitary and water to the equipment room. Plumbing between the spa shell and mechanical equipment
  - location, Heating and ventilation in the equipment room.
  - Electrical service connections from the building services to the electrical panel(s), motor, heater and component connections including motor starters, timers, push/pull switches, A/V alarm, grounding of all electrical components and GFCI's.
  - Decking and access steps including deck drains.
  - Supports under the seats and steps of the shell.

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**HYDRAULIC DESIGN**  
 SPA VOLUME 840 usg  
 3180 Litre  
 TURNOVER 12.2 minutes  
 FILTER FLOW RATE  
 69 usgpm @ 60' T.D.H.  
 261.2 LPM @ 18.28 M hd  
 FILTER AREA 200 sq.ft.  
 18.55 sq.m.  
 OPERATING @0.345 usgpm/sq.ft.  
 @0.234 L/s/m<sup>2</sup>  
 FILTER PUMP 3/4 hp

13 HYDROTHERAPY FITTINGS  
 9 LARGE OPERATING @ 13 usgpm/49.2 Lpm  
 4 SMALL OPERATING @ 3.25 usgpm/12.3 Lpm  
 HYDROTHERAPY FLOW RATE  
 130 usgpm @ 60' TDH  
 492.1 Lpm @ 18.28 M hd  
 HYDROTHERAPY PUMP 2 hp

TOTAL FLOW RATE  
 199 usgpm/ 753.3 Lpm  
 TOTAL OPEN AREA OF MAIN DRAINS  
 86.402 sq.in./ 557.43 sq.cm.  
 VELOCITY THROUGH MAIN DRAINS  
 0.739 ft.sec/ 0.225m. sec



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No.	Date	Description

Project	Hydrother
Title	H-1200C
Drawn By:	ML
Scale:	NTS
Date:	Jan 2019
Ch'd By:	BRB
Job No.:	H1200-19