

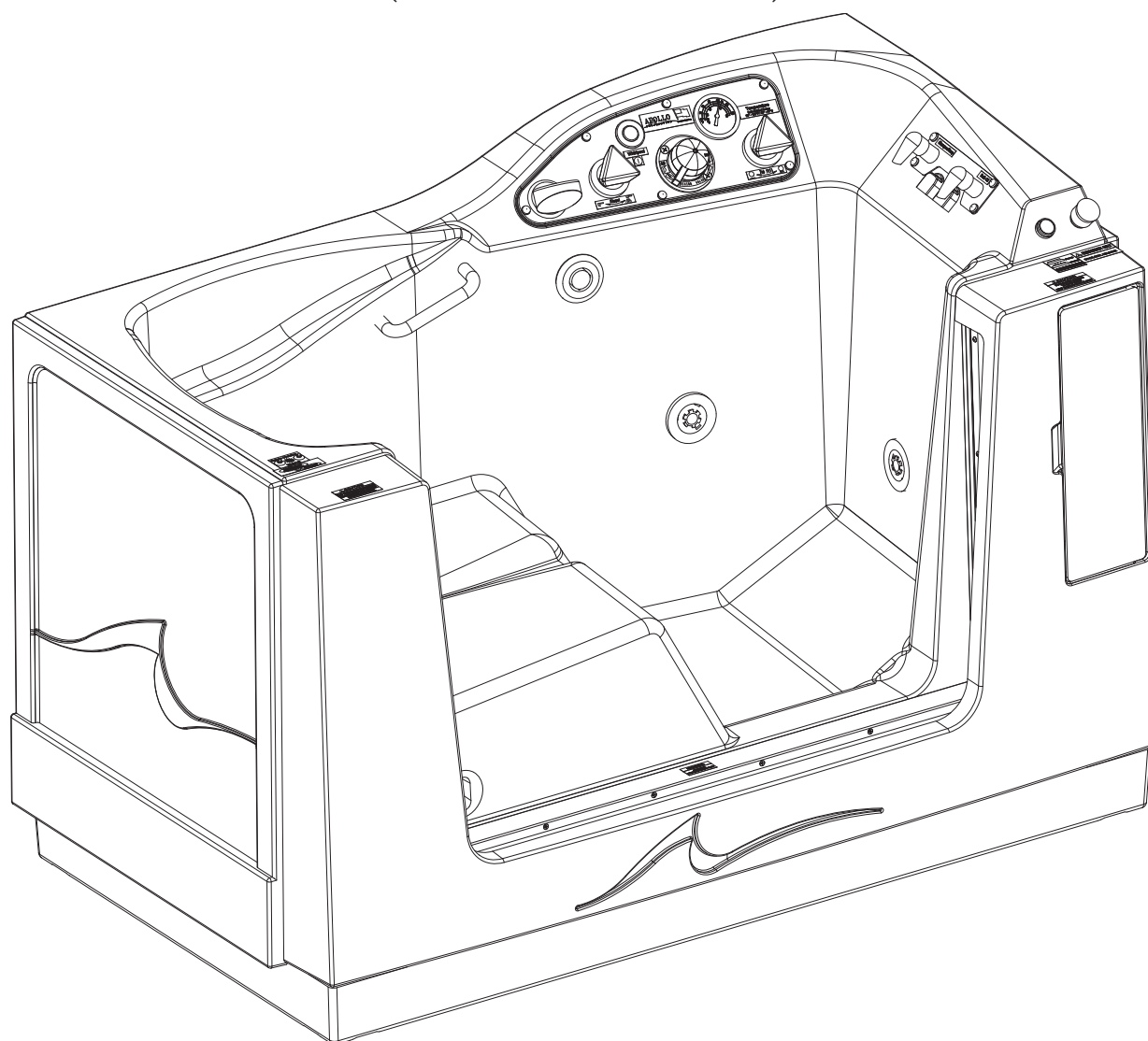
APOLLO

C o r p o r a t i o n

Essence™ Spa

Specifications/Installation

(Manual Part Number 990-100)



450 Main Street, Somerset, WI 54025

Phone: 715.247.5625 Fax: 715.247.3424 <http://www.apollobath.com>

Important Installation Highlights

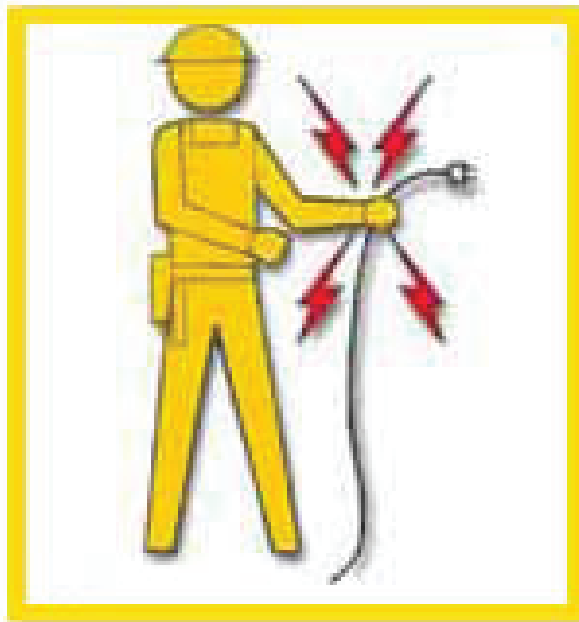
Failure To Comply With These Items Will Greatly Compromise The Functionality Of The Bathing Unit And May Void The Warranty.

- The bathing system is to be installed **AFTER** all construction and finish work is completed.
- Flush Hot and Cold water lines prior to connecting to bathing system.
- During and after installation, the bathing system **DOOR** must be in the **UP** position.
- The bathing system comes with a catch pan that will collect any residual water from the bathing process. **THE DRAIN MUST BE CONNECTED AS SHOWN IN THIS MANUAL** (pages 6 - 7).
- **REMEMBER**, no matter how well built a mechanical device may be, eventually they all need service. Plan your installation wisely and include access panels where recommended in this manual (pages 5-8).
- The bathing system has a removable front cover for service access. The finished installation must allow the cover to be removed.
- Forcing the door up or down with power and air applied to the unit **WILL** cause damage to the actuators. Disconnect power from the unit and bleed off air before manually raising or lowering the door.

Plumbing and Electrical Codes

All states and municipalities could differ extensively in their plumbing and electrical codes. Therefore, it is Apollo Corporation's recommendation that you check with the proper enforcement agencies in your area before installation.

All Apollo bathing systems are manufactured with built-in back flow prevention. However, due to different plumbing codes, it is advisable that you ask your installer whether there is a need to install additional back flow prevention valves (such as RPZ valves) on any new construction.



NOTE

- Lock Out or Tag Out electrical circuit for bathing system **BEFORE** installation.
- Electrical Protection: Class 1 Type B applied part.
- Bathing system installation must comply with all applicable building and health codes and regulations.
- It is recommended that hot water not greater than 120°F (49°C) be delivered to the bathing system.

Essence™ Spa Specifications/Installation

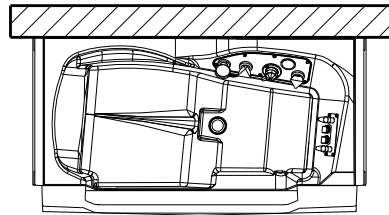
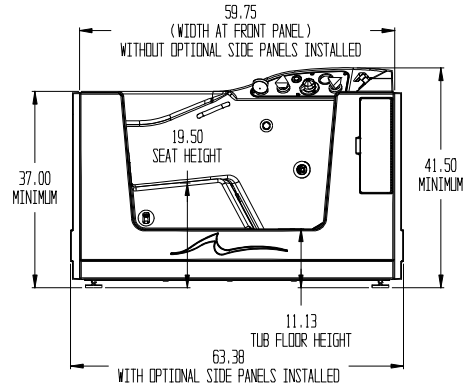
Minimum Room Size:	69 in (183 cm) wide by 90 in (228.6 cm) long		
Dimensions:	Length	Width	Height
Tub:	59.51 in (151.1 cm)	33.63 in (85.4 cm)	40.75 in (103.5 cm)
With Side Panels:	61.63 in (156.5 cm)	34.88 in (88.6 cm)	40.75 in (103.5 cm)
Shipping Weight:	500 lb (227 kg)		
Installation Time:	1.5 Hours		
Inspection & Adjustments	1 Hour		
Water Capacity:	Maximum of 63 gal (238 L)		
Water Supply:	Requires two 0.75 in (1.9 cm) garden hose thread (GHT) internal, wall, or floor mounted faucets. Minimum of 30 PSI for hot and cold required.		
Water Connection:	Provided with two 60 in (152.4 cm) high pressure stainless steel hoses with 0.75 in (1.9 cm) GHT ends.		
Waste:	Two 1.5 in (3.8 cm) PVC schedule 40 pipe. Outside diameter 1.9 in (4.8 cm).		
Electrical Requirements:	Dedicated 115 VAC plug-in receptacle protected by a 15A GFCI circuit breaker (not supplied).		
Door Control:	24 VDC maintained, IP 65, dust proof, water resistant, sealed push-button switch for operation of powered door. Emergency release for door in case of power failure.		
Tub Fill:	RADA Thermoscopic mixing valve; ASSE 1016 certified		
Shower:	Hand held with 84 in (213.4 cm) ANSI A112.18.1 hose		
Tub Entry:	Door with 40 in (101.6 cm) opening and 10.25 in (26.0 cm) entry height		
Gaskets:	Dual gaskets extruded from EDPM.		
Whirlpool Pump and Motor:	0.75 HP; 7.5A; 115 VAC; 60HZ; 3370 RPM; 86 GPM at zero head.		
Whirlpool Control	On-Off pneumatic switch.		
Whirlpool Jets:	Three whirlpool jets with adjustable nozzles.		
Whirlpool Water Requirement:	36 gal (136 L) minimum required to run whirlpool jets without resident.		
Air Spa Blower Motor:	900W variable speed, thermally protected blower motor with 300W ceramic heating element, 120 VAC; 11.5A; 60 HZ.		
Air Spa Control:	Multifunction, low voltage DC electronic keypad.		
Air Spa Jets:	20 total air jets: Five seat and four leg jets with 24 openings each. One perineal and ten foot well jets with six lateral openings each.		
Air Spa Water Requirement:	None		
*Specifications subject to change			

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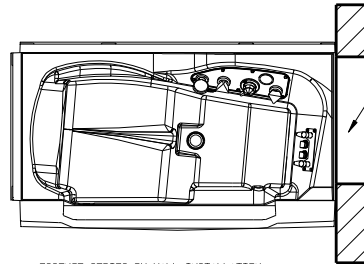
Essence™ Spa Specifications/Installation

- TABLE OF CONTENTS PAGE FOR MOST TUB INSTALLATION CONFIGURATIONS -



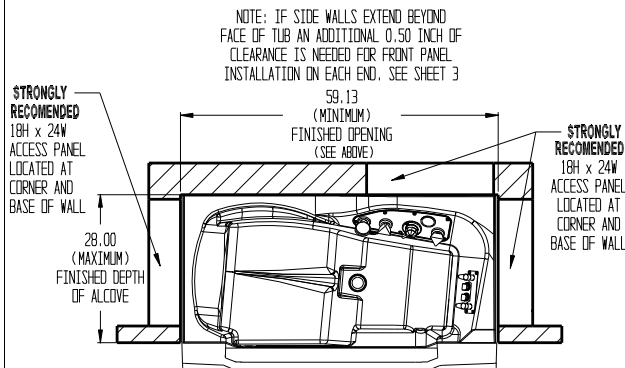
ESSENCE SERIES BACK WALL INSTALLATION

FOR THIS INSTALLATION CONFIGURATION
PLEASE REFER TO PAGES TWO AND THREE



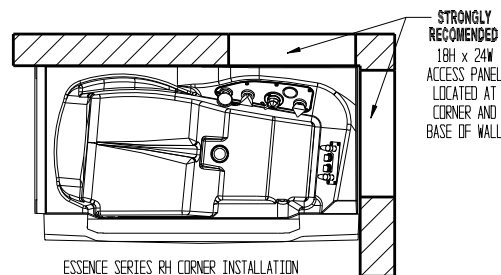
ESSENCE SERIES RH WALL INSTALLATION

FOR THIS INSTALLATION CONFIGURATION
PLEASE REFER TO PAGES TWO AND THREE



ESSENCE SERIES ALCOVE INSTALLATION

FOR THIS INSTALLATION CONFIGURATION
PLEASE REFER TO PAGES TWO, THREE, AND FOUR




ESSENCE SERIES RH CORNER INSTALLATION

FOR THIS INSTALLATION CONFIGURATION
PLEASE REFER TO PAGES TWO AND THREE

FINISH			APOLLO FINISH		
N/A			SPEC NUMBER N/A		
MATERIALS					
ITEM	QTY	P/N	DESCRIPTION		MATERIAL / NOTES
•	•	•	•		•

PLEASE NOTE:

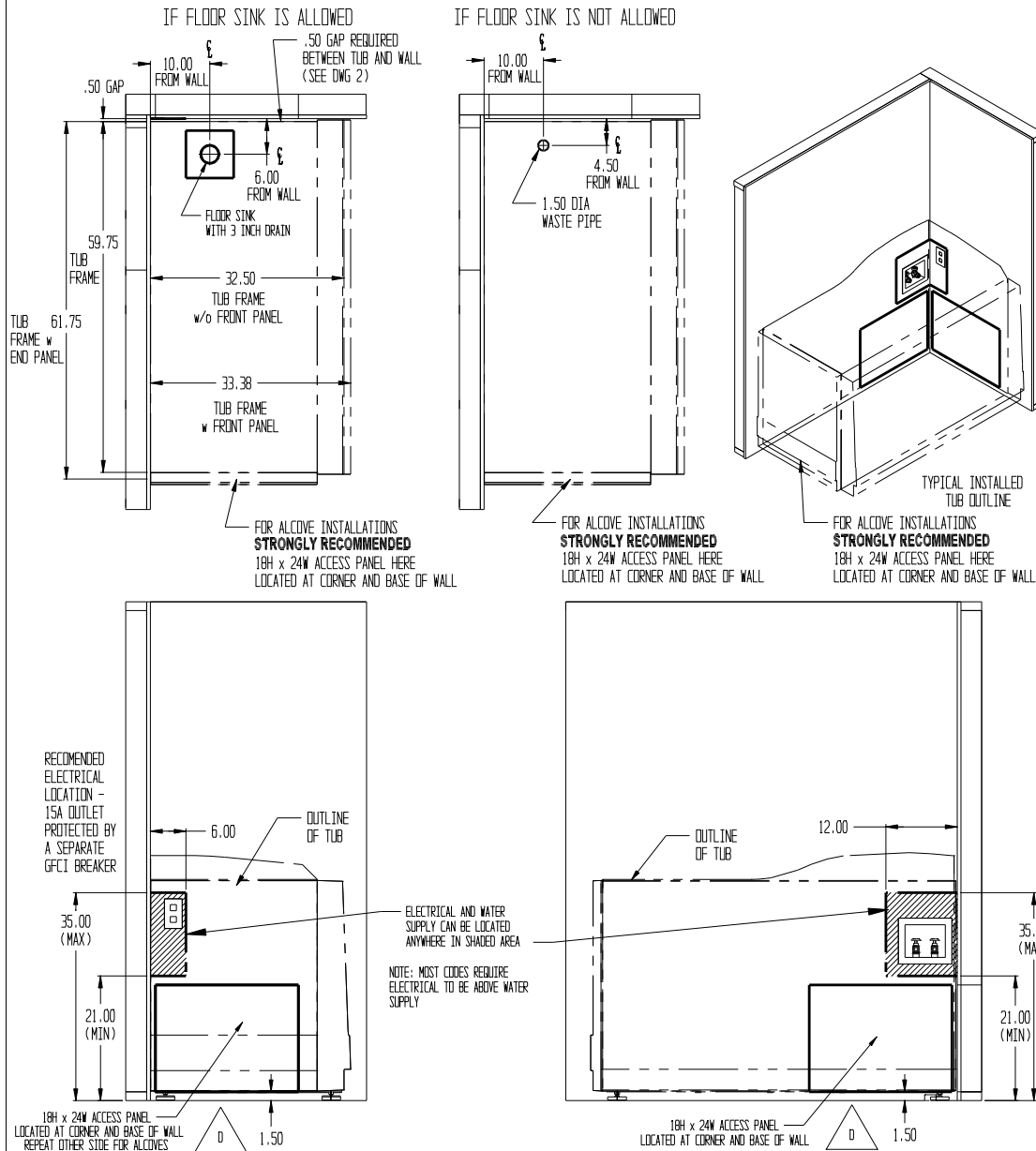
- 1 - THIS BATHING SYSTEM IS DESIGNED TO BE INSTALLED AFTER ALL CONSTRUCTION AND FINISH WORK IS COMPLETED. THE ABRASIVE NATURE OF DRYWALL DUST AND CONSTRUCTION DEBRIS CAN DAMAGE THE MECHANICAL COMPONENTS AND FINISH OF THE SYSTEM. THIS DAMAGE IS NOT COVERED BY WARRANTY. IF THE UNIT IS INSTALLED DURING CONSTRUCTION, IT IS THE INSTALLER'S RESPONSIBILITY TO ENSURE THE SYSTEM IS ADEQUATELY PROTECTED FROM SUCH CONTAMINANTS.
- 2 - DRAWING VIEWS DEPICT THE MOST TYPICAL ROOM LAYOUTS FOR PLUMBING AND ELECTRICAL LOCATIONS. PLEASE CALL THE TECHNICAL SERVICE DEPARTMENT FOR ALTERNATIVE INSTALLATION LOCATIONS.
- 3 - THE BEST DRAIN CONNECTION IS TO USE A FLOOR SINK WITH A 3" DRAIN - CHECK LOCAL BUILDING CODES.
- 4 - TUB COMES WITH A REMOVABLE FRONT PANEL. PLEASE NOTE WHEN ROUGHING IN TUB, THE FRONT PANEL MUST BE EASILY REMOVABLE WHEN INSTALLED.
- 5 - IT IS STRONGLY RECOMMENDED TO INSTALL ACCESS PANELS THRU WALLS WHERE SHOWN TO AID IN TUB DRAIN CONNECTION AND PREVENTATIVE MAINTENANCE.
- 6 - THE PIVOT CIRCLE ON FLOOR IS 67.5 INCHES (NOMINAL 68 INCHES).
- 7 - THE PIVOT CIRCLE ON VERTICAL EDGE IS 71 INCHES (NOMINAL 71.5 INCHES).
- 8 - DO NOT ALTER DRAIN AND ELECTRICAL LOCATIONS - TUB IS NOT OFFERED AS A RIGHT OR LEFT ENTRY MODEL.

D	SHEET 2 OF 4 - ACCESS PANELS WERE 12H x 18W; ADDED LOCATION DIMENSIONS FOR RECOMMENDED ACCESS PANELS		10775	T MARA 24AUG15	CB 09SEP15
	C	REVISED DRAIN CONNECTIONS FOR NEW DRAIN PAN	10721	CB 20JUN12	SR 06DEC12
REV	REVISIONS		ED NUMBER	DRAWN DATE	APPROVED DATE
 PO BOX 219 450 MAIN ST SONOMAR VT (715) 247-5625			TOLERANCE UNLESS SPECIFIED		
			.X +/- .060 DEGREES +/- 1° .XX +/- .030 .XXX +/- .015		
NOTICE - THIS DRAWING IS PROPERTY OF APOLLO CORP. WHO RESERVES ALL RIGHTS AND IS SUBMITTED UNDER A CONFIDENTIAL RELATIONSHIP. RECIPIENT AGREES NOT TO DISCLOSE ANY INFORMATION REGARDING IT TO ANY UNAUTHORIZED PERSON					
1-PARTS TO BE FREE OF BURRS AND SHARP EDGES 2-ALL WELDS MUST BE CONTINUOUS SMOOTH AND FREE OF Voids 3-CORNER BENDS MUST BE FREE OF FRACTURES					
DWG	ESSENCE ROOM SPECS		SHEET DWG NO		
C	ROUGH-INS; TUB LOCATIONS		1 OF 4 990100-D		

DRAWING 1 OF 4

- TUB INSTALLATION ONLY ROUGH-IN INSTRUCTIONS -

FINISH	N/A	APOLLO FINISH	SPEC NUMBER	N/A
MATERIALS				
ITEM	QTY	P/N	DESCRIPTION	MATERIAL NOTES



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	REVISED DRAIN CONNECTIONS FOR NEW DRAIN PAN		10721	24AUG15	09SEP15
C	REV	REVISIONS	ED NUMBER	DRAWN DATE	APPROVED DATE
APOLLO CORPORATION			TOLERANCE UNLESS SPECIFIED		
PO BOX 219 450 MAIN ST SONOMA CA 94965 (715) 247-9625			.X +/- .060 DEGREES +/- 1°		
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C	ROUGH-INS; TUB LOCATIONS		2 OF 4 990100-D		

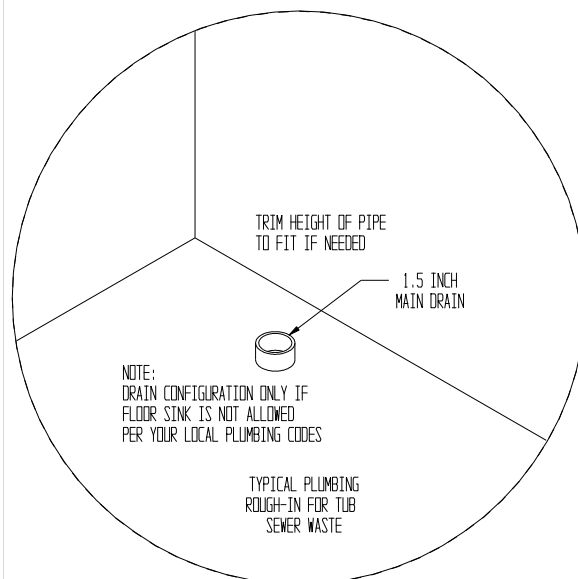
DRAWING 2 OF 4

- TUB INSTALLATION AND ROUGH-IN INSTRUCTIONS -

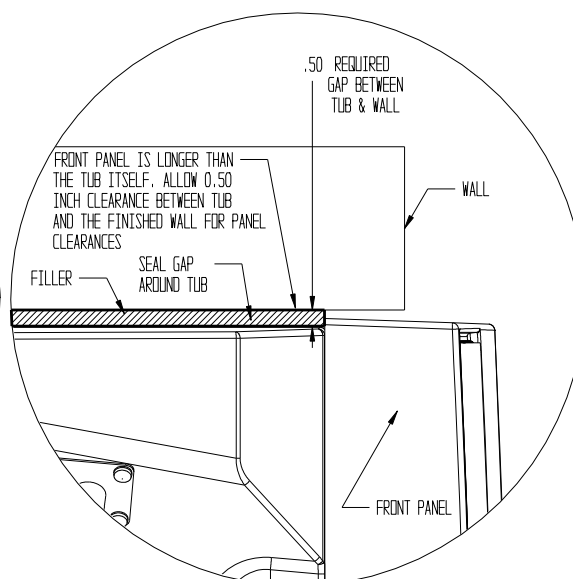
FINISH N/A			APOLLO FINISH SPEC NUMBER N/A		
MATERIALS					
ITEM	QTY	P/N	DESCRIPTION	MATERIAL	NOTES
1	1	1	1	1	1

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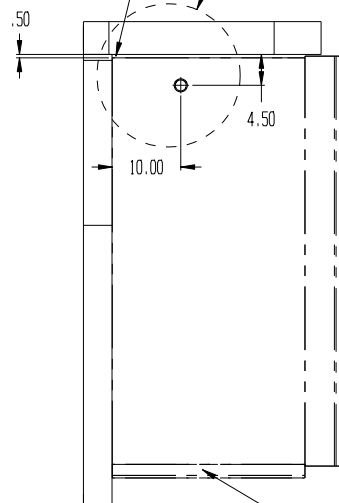


View A
3:1



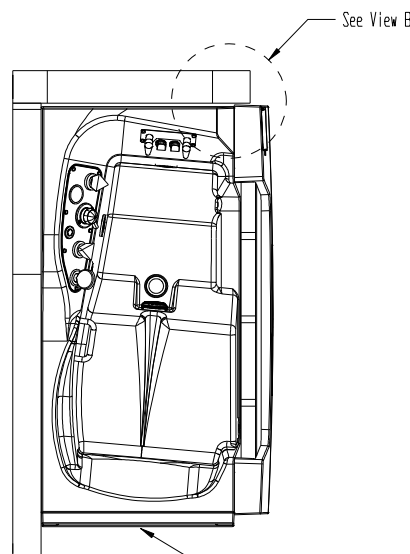
View B
5:1

GAP REQUIRED BETWEEN TUB FRAME AND WALL (SEE DETAIL VIEW -B-)




TUB SHOWN AS OUTLINE

ALCOVE INSTALLATIONS
STRONGLY RECOMMENDED
18H x 24W ACCESS PANEL HERE
LOCATED AT CORNER AND BASE OF WALL



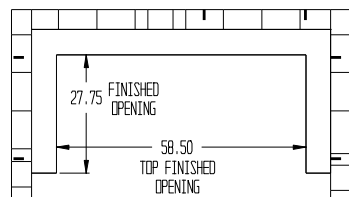
TUB SHOWN INSTALLED

ALCOVE INSTALLATIONS
STRONGLY RECOMMENDED
18H x 24W ACCESS PANEL HERE
LOCATED AT CORNER AND BASE OF WALL

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			.X +/- .060 DEGREES +/- 1°		
			.XX +/- .030		
			.XXX +/- .015		
PO BOX 219 450 MAIN ST SOMMERSSET VT (715)247-5625					
- NOTICE -			1-PARTS TO BE FREE OF BURRS AND SHARP EDGES		
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DWG C	ESSENCE ROOM SPECS ROUGH-INS; TUB LOCATIONS		SHEET DWG NO 3 OF 4 990100-F		

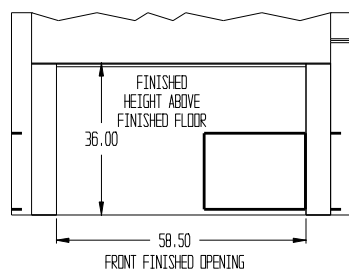
DRAWING 3 OF 4

- ALTERNATIVE ALCOVE INSTALLATION -

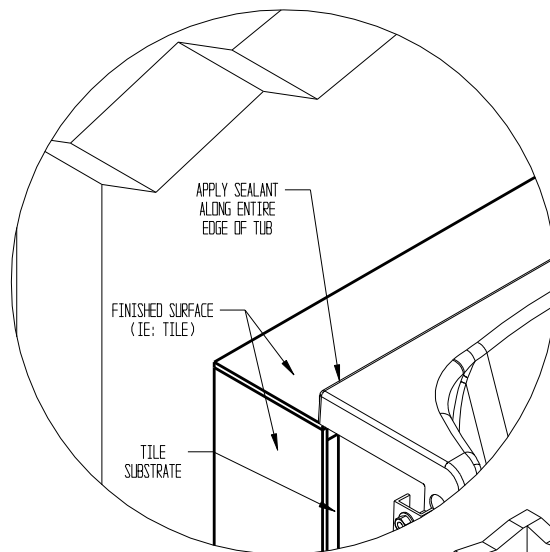


TOP VIEW

HEAVY LINES DENOTE
RECOMMENDED ACCESS PANELS

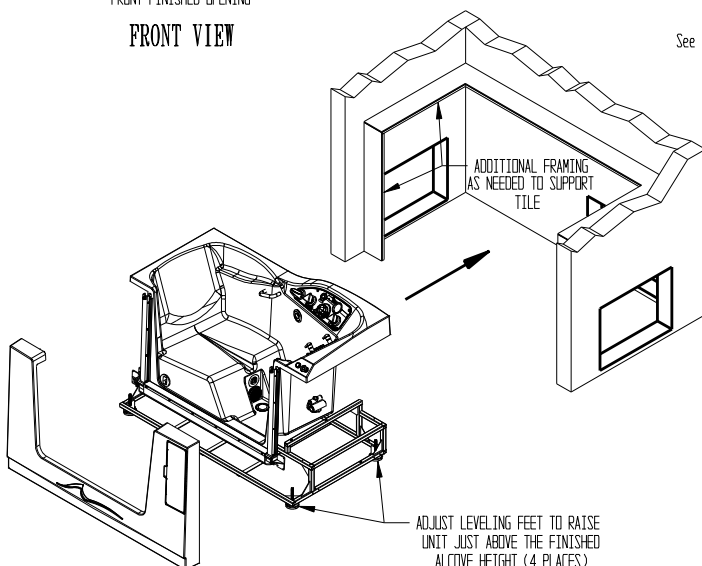


FRONT VIEW



Detail A
6:1

See Detail A




SOME ITEMS REMOVED FOR CLARITY

FINISH			APOLLO FINISH		
N/A			SPEC NUMBER N/A		
MATERIALS					
ITEM	QTY	P/N	DESCRIPTION	MATERIAL	NOTE

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DWG	ESSENCE ROOM SPECS		SHEET DWG NO		
C	ROUGH-INS; TUB LOCATIONS		4 OF 4 990100-0		

DRAWING 4 OF 4