

## Exhibit A

15 002

Flop 22

### Game Instructions and Rules

Essentially three card games in one (up to three separate hands can be played) wherein players who achieve a two card total of 17 thru 22 will win, while two card total of below 16 will lose. 16 is a push.

Played with a standard 52 card deck. Players begin the game by placing an ante on Hand 1, Hands 1 and 2, or Hands 1,2 and 3. (Each subsequent hand can only be played if the prior hand is played.)

All aces equal eleven, picture cards equal 10, and all other cards are face value.

At the beginning of each game before any cards are dealt, the player has the option of placing a bet on the Field, betting that their dealt card will fall within the field numbers. This must be done before any cards are dealt. Here is also where all antes must be made. Once any Flop card is turned over, no antes or Field bets can be made again for that game.

Once all bets are made the Dealer then deals each player 1 card face up, and lays the "Flop" face down in front of them from their right to left. Here is where the Field bets are either paid or taken by the Dealer. All Field bets are only paid or taken at this time.

After seeing their dealt card, the player may choose to raise (double their bet) on Hand 1, Hand 2, or Hand 3, depending if that ante was made. All raises must be equal to the original ante or less. They may not be greater. Raises can be made at any time as long as the Flop card for that Hand has not been turned over and the ante for that hand was made at the beginning of that game.

Dealer next turns 1<sup>st</sup> Flop card over.

Dealer then pays or takes all match bets (10-1) if any are played on Hand 1

Player's one card is then paired (numerically added) with this first Flop card to make Hand 1. If the total of those two cards is 17 or better, the player is paid on bet and raise according to the payoff schedule marked Hand 1. If the amount is less than 16, bets and raises are taken. If it is 16; it is a push. This hand is now over.

Above procedure is repeated with the Dealer turning the 2<sup>nd</sup> Flop card over, pairing it with the player's same card, taking losing bets or paying accordingly to "schedule of payoffs" (only if Hand 2 was bet by the player.) If not, that player is finished for that game. This hand is now over.

Dealer now turns over 3<sup>rd</sup> Flop card and payoffs are made accordingly for Hand 3, if bet by the player.

End of Game: next game begins with a new shuffled deck.

*Note, Strategy of play in Flop 22 is not in the card playing, essentially luck of the draw, but in the bets and raises, where-in raises are made by players after they view their dealt card.*





**GLI**

World Headquarters  
600 Airport Road  
Lakewood, NJ 08701  
Phone (732) 942-3999  
Fax (732) 942-0043  
www.gaminglabs.com

**Worldwide Locations**

World Headquarters  
Lakewood, New Jersey

U.S. Regional Offices  
Colorado  
Nevada

International Offices  
GLI Africa  
GLI Asia  
GLI Australia Pty Ltd  
GLI Austria GmbH  
GLI Europe BV  
GLI Italy  
GLI South America

October 16, 2014

Mr. Anthony Frate, Owner  
14 Risley Road  
Winchester, MA 01890

Re: Mathematical Analysis of *Flop 22* (Gaming Laboratories International, LLC Proposal and Contract Amendment #LO-20140819-01 dated August 19, 2014)

REF: LO-00-AFR-14-01

**Evaluating Locations:**

<b>GLI World Headquarters</b> 600 Airport Road Lakewood, NJ 08701	<b>GLI Nevada</b> 7160 Amigo Street Las Vegas, NV 89119
---	---

Dear Mr. Frate,

As per your request, please find Gaming Laboratories International, LLC's (GLI) math analysis for the table game, *Flop 22*.

This report only verifies the mathematical aspects of this game and **DOES NOT** offer an opinion as to whether or not this game is currently authorized for use in any jurisdiction.

---

**Game Description**

---

*Flop 22* is a table game played with one standard 52-card deck which is shuffled prior to each hand. Up to seven players can be dealt at one time. Players begin by placing the mandatory Ante wager for each hand combination that they wish to play: hand 1, hands 1 and 2, or hands 1, 2 and 3. Players also have the option to place the Field and Match the Dealer bonus wagers at this time. Each player receives one card face up and the dealer receives three cards face down. Up to three individual Match the Dealer wagers may be placed, one for each of the three down cards. These wagers may be placed at any time prior to the cards being turned over. Any Field wagers placed by the players are resolved at this time according to Table 1.

**Table 1. Field Wager Paytable**

Player Card	Paytable
2	2 to 1
3	1 to 1
4	1 to 1
5	1 to 1
6	2 to 1
Other	Lose

After the resolution of all Field wagers, the players may elect to raise each of their ante wagers by a value less than or equal to each ante wager placed. After the raise wagers are placed, the dealer turns the first of their three cards face up. The point value of this card is added to the point value of each player card to form a point total, where aces count as 11 points and face cards count as 10 points. The dealer resolves the wagers for Hand 1 according to Table 2; any Match the Dealer wagers placed on the first dealer card are resolved as well. If the player card matches the dealer card, the wager pays 10 to 1; otherwise, the player loses. The dealer then reveals the second face-down card and the process is repeated for all players who placed an ante wager and/or Match the Dealer wager on Hand 2. Finally, the dealer reveals the last face-down card, and the process is repeated for all players who placed an ante wager and/or Match the Dealer wager on Hand 3.

**Table 2. Hand Wager Paytable**

Point Total	Hand 1	Hand 2	Hand 3
22 with AhAs	15 to 1	25 to 1	40 to 1
Other 22	4 to 1	8 to 1	10 to 1
21	1 to 1	2 to 1	3 to 1
17 to 20	1 to 1	1 to 1	1 to 1
Other	Lose	Lose	Lose

### Mathematical Analysis

The math analysis of *Flop 22* was performed using a simulation. A total of 100,000,000 arrangements of player hole cards was randomly sampled from the deck. Based on these cards, the winnings for each hand were computed theoretically. Using the results, the program determined the optimal raise strategy for the exposed cards, applied it to a shuffled deck, and recorded the result in order to calculate the overall return to player (RTP) and house edge (HE). A summary of the results can be found in Table 4.

Table 4. Flop 22 Summary

Players: 1	Hand 1	Hand 1 & Hand 2	Hand 1, Hand 2, & Hand 3
Pays	-15068206	-15986654	-3484410
Initial Wagers	100000000	200000000	300000000
Total Wagers	146157580	292315160	438472740
Average Wager	1.4616	2.9232	4.3847
HE	15.07%	7.99%	1.16%
RTP Per Initial	84.93%	92.01%	98.84%
RTP	89.69%	94.53%	99.21%
Players: 2	Hand 1	Hand 1 & Hand 2	Hand 1, Hand 2, & Hand 3
Pays	-15072499	-16034712	-3495403
Initial Wagers	100000000	200000000	300000000
Total Wagers	146153945	292307890	438461835
Average Wager	1.4615	2.9231	4.3846
HE	15.07%	8.02%	1.17%
RTP Per Initial	84.93%	91.98%	98.83%
RTP	89.69%	94.51%	99.20%
Players: 3	Hand 1	Hand 1 & Hand 2	Hand 1, Hand 2, & Hand 3
Pays	-15060519	-15979748	-3428121
Initial Wagers	100000000	200000000	300000000
Total Wagers	146154843	292309686	438464529
Average Wager	1.4615	2.9231	4.3846
HE	15.06%	7.99%	1.14%
RTP Per Initial	84.94%	92.01%	98.86%
RTP	89.70%	94.53%	99.22%
Players: 4	Hand 1	Hand 1 & Hand 2	Hand 1, Hand 2, & Hand 3
Pays	-15063807	-15948212	-3376955
Initial Wagers	100000000	200000000	300000000
Total Wagers	145082981	290165962	435248943
Average Wager	1.4508	2.9017	4.3525
HE	15.06%	7.97%	1.13%
RTP Per Initial	84.94%	92.03%	98.87%
RTP	89.62%	94.50%	99.22%

Players: 5	Hand 1	Hand 1 & Hand 2	Hand 1, Hand 2, & Hand 3
Pays	-15061649	-15951424	-3431121
Initial Wagers	100000000	200000000	300000000
Total Wagers	146154603	292309206	438463809
Average Wager	1.4615	2.9231	4.3846
HE	15.06%	7.98%	1.14%
RTP Per Initial	84.94%	92.02%	98.86%
RTP	89.69%	94.54%	99.22%
Players: 6	Hand 1	Hand 1 & Hand 2	Hand 1, Hand 2, & Hand 3
Pays	-15081281	-15973784	-3453369
Initial Wagers	100000000	200000000	300000000
Total Wagers	144773821	289547642	434321463
Average Wager	1.4477	2.8955	4.3432
HE	15.08%	7.99%	1.15%
RTP Per Initial	84.92%	92.01%	98.85%
RTP	89.58%	94.48%	99.20%
Players: 7	Hand 1	Hand 1 & Hand 2	Hand 1, Hand 2, & Hand 3
Pays	-15031808	-15857776	-3271294
Initial Wagers	100000000	200000000	300000000
Total Wagers	146149544	292299088	438448632
Average Wager	1.4615	2.9230	4.3845
HE	15.03%	7.93%	1.09%
RTP Per Initial	84.97%	92.07%	98.91%
RTP	89.71%	94.57%	99.25%

The analysis for the Field and Match the Dealer wagers was performed using combinatorics. A summary of the Field wager results can be found in Table 4. A summary of the Match the Dealer results can be found in Table 5 through Table 7.

**Table 4. Field Wager Summary**

Player Card	Prob	Pay
2	0.0769	0.1538
3	0.0769	0.0769
4	0.0769	0.0769
5	0.0769	0.0769
6	0.0769	0.1538
Other	0.6154	-0.6154
	RTP	92.31%
	HE	7.69%

**Table 5. Match the Dealer Probabilities**

Probabilities			
Players	1st Flop Card	2nd Flop Card	3rd Flop Card
1	0.0588	0.0600	0.0612
2	0.0600	0.0612	0.0625
3	0.0612	0.0625	0.0638
4	0.0625	0.0638	0.0652
5	0.0638	0.0652	0.0667
6	0.0652	0.0667	0.0682
7	0.0667	0.0682	0.0698

**Table 6. Match the Dealer RTP**

RTP			
Players	1st Flop Card	2nd Flop Card	3rd Flop Card
1	64.71%	66.00%	67.35%
2	66.00%	67.35%	68.75%
3	67.35%	68.75%	70.21%
4	68.75%	70.21%	71.74%
5	70.21%	71.74%	73.33%
6	71.74%	73.33%	75.00%
7	73.33%	75.00%	76.74%

Table 7. Match the Dealer HE

HE			
Players	1st Flop Card	2nd Flop Card	3rd Flop Card
1	35.29%	34.00%	32.65%
2	34.00%	32.65%	31.25%
3	32.65%	31.25%	29.79%
4	31.25%	29.79%	28.26%
5	29.79%	28.26%	26.67%
6	28.26%	26.67%	25.00%
7	26.67%	25.00%	23.26%

**Summary**

Individuals who decide to play *Flop22* can expect to observe the greatest return to player (RTP) of 99.25%, corresponding to a 0.75% house edge (HE), when wagering an average of 4.3845 units per game and utilizing optimal strategy at a table when playing all three hands with six other active players. The house will observe the best HE of 15.08%, corresponding to a 84.92% RTP, at a table when playing one hand with five other active players, assuming players follow optimal strategy and wager on average 1.4477 units per game.

Because the Field Wager has a positive house advantage, it is never in the player's interest to place this bet. Those who do will observe an RTP of 92.31%, corresponding to a 7.69% HE.

Similarly, because the Match the Dealer wager has a positive house advantage, it is never in the player's interest to place this bet. Those who do will observe the greatest RTP of 76.74%, corresponding to a 23.26% HE when wagering on the third flop card with six additional active players. The house will observe the best HE of 35.29%, equating to a RTP of 64.71%, when wagering on the first flop card with no additional active players.

Mr. Anthony Frate  
*Flop 22*  
LO-00-AFR-14-01  
October 16, 2014  
Page 7 of 10

Please refer to the attached Terms and Conditions which apply to the information being provided within this report.

Should you have any questions, please feel free to contact our office.

Sincerely,  
GAMING LABORATORIES INTERNATIONAL, LLC



Christine M. Gallo  
Vice President of Technical Compliance and Quality Assurance

Enclosure

awg

Mr. Anthony Frate  
Flop 22  
LO-00-AFR-14-01 .  
October 16, 2014  
Page 8 of 10

---

### Terms and Conditions

---

This Report has been prepared and submitted at the request of the "Recipient" is issued solely for the benefit of the Recipient and no other party and may not be relied upon for any reason by any person or entity other than the Recipient.

In this regard, the Recipient will be deemed to have acknowledged that nothing in this Report is intended to create, nor shall it be deemed or construed to create, any relationship between Gaming Laboratories International, LLC (GLI) and the Recipient other than that of independent entities contracting with each other solely for the purpose of the preparation and submission of the Report. Neither GLI nor the Recipient, nor any of their respective employees or representatives, shall be construed to be an agent, employer or representative of the other.

Any report produced by GLI is proprietary to GLI and the Client, because it contains confidential information of commercial value, the exposure of which to third parties could adversely affect both GLI and the Client. Accordingly, such confidential information is supplied in confidence, on the strict condition that no part of it will be reprinted or reproduced or transmitted to any parties external to the original contract without the prior written approval of the Parties. In particular, it will not be exposed to any person or organization which may be in competition with any of the Parties without the prior written approval of that Party. The testing performed by GLI is proprietary to GLI and/or various regulators. No third party may use, rely or refer to a GLI evaluation report, test report, certification document or test results without written permission of GLI and the respective regulator. Notwithstanding the above, the Parties may disclose confidential information if required to do so by regulatory agencies, pursuant to the laws and regulations of an applicable jurisdiction or by an order of a properly designated Court of Law in a relevant jurisdiction. However, in either case the Parties agree to immediately notify the other party of such a request.

Notwithstanding the above, any regulator may reprint, reproduce and transmit any document or information to any party that the regulator, in their sole discretion, deems appropriate.

Mr. Anthony Frate  
*Flop 22*  
LO-00-AFR-14-01  
October 16, 2014  
Page 9 of 10

The analysis provided by this Report applies exclusively to tests conducted on the specific hardware and software submitted by the Recipient. It is the responsibility of the manufacturer and/or developer of the subject hardware and software to apply for, obtain and maintain all necessary gaming licensure in each jurisdiction in which they do business, including state and tribal jurisdictions, where applicable. During the course of testing, GLI inspects for marks or symbols indicating that a device has undergone product safety compliance testing. GLI also performs, where practicable, a cursory review of submissions and information contained therein related to Electromagnetic Interference (EMI), Radio Frequency Interference (RFI), Magnetic Interference, Liquid Spills, Power Fluctuations and Environmental conditions. Electrostatic Discharge Testing is intended only to simulate techniques observed in the field being used to attempt to disrupt the integrity of Electronic Gaming Devices. Compliance with any such regulations related to the aforementioned design is the sole responsibility of the device manufacturer; GLI accepts no responsibility, makes no representations and disclaims any liability with respect to all such non-gaming testing. The actual data showing the test performed by GLI, and the excluded tests, are available to the Recipient upon written request.

With respect to analysis of new tables games, new paytables for electronic devices and other undertakings where GLI provides a mathematical review, the Recipient agrees to and acknowledges that due to complex mathematical processes, approximations and rounding errors that necessarily occur during any mathematical review, the results herein shall be understood by the recipient to be approximations and may fall within a range approximating the true mathematical results. Recipient hereby agrees that he is responsible to review such work, analyze it for accuracy and report deficiencies immediately to GLI. GLI has undertaken such work based on our understanding of the game submitted as documented in our report. Should our understanding of the game be incorrect as written in our report, Recipient is required to notify GLI immediately.

Mr. Anthony Frate  
*Flop 22*  
LO-00-AFR-14-01  
October 16, 2014  
Page 10 of 10

GLI WARRANTS TO THE RECIPIENT THAT ALL SERVICES PROVIDED BY GLI HEREUNDER HAVE BEEN PERFORMED IN ACCORDANCE WITH ESTABLISHED AND RECOGNIZED TESTING PROCEDURES AND WITH REASONABLE CARE IN ACCORDANCE WITH APPLICABLE LAWS. GLI DOES NOT MAKE, AND EXPRESSLY DISCLAIMS, ALL OTHER WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY, SUITABILITY OR FITNESS FOR A PARTICULAR PURPOSE. WITHOUT LIMITING ANY OF THE FOREGOING, UNDER NO CIRCUMSTANCES SHOULD THE ANALYSIS PROVIDED BY THIS REPORT BE CONSTRUED TO IMPLY ANY ENDORSEMENT OR WARRANTY REGARDING THE FUNCTIONALITY, QUALITY OR PERFORMANCE OF THE SUBJECT HARDWARE OR SOFTWARE, AND NO PERSON OR PARTY SHALL STATE OR IMPLY ANYTHING TO THE CONTRARY. THE LIABILITY AND OBLIGATIONS OF GLI HEREUNDER, AND THE REMEDY OF THE RECIPIENT, UNDER OR IN CONNECTION WITH THIS AGREEMENT SHALL BE LIMITED TO, AT GLI'S OPTION, REPLACEMENT OF THE SERVICES PROVIDED OR THE REFUND BY GLI OF ANY MONIES RECEIVED BY IT FOR THE SERVICES PROVIDED. IN NO EVENT SHALL GLI BE RESPONSIBLE TO THE RECIPIENT OR ANY THIRD PARTY FOR ANY CONSEQUENTIAL, INCIDENTAL, DIRECT, INDIRECT OR SPECIAL DAMAGES, INCLUDING WITHOUT LIMITATION DAMAGES FOR LOST PROFITS OR REVENUE, BUSINESS INTERRUPTION, OR PUNITIVE DAMAGES, EVEN IF GLI HAD BEEN ADVISED OF THE POTENTIAL FOR SUCH DAMAGES AND WHETHER SUCH DAMAGES ARISE IN CONTRACT, NEGLIGENCE, TORT, UNDER STATUTE, IN EQUITY, AT LAW OR OTHERWISE. ALL RIGHTS AND REMEDIES OF THIRD PARTIES RELATING TO THE PRODUCTS AND SERVICES THAT ARE THE SUBJECT OF THE ANALYSIS PROVIDED BY THIS REPORT ARE PROVIDED SOLELY BY THE RECIPIENT AND NOT BY GLI AND GLI EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER IN CONNECTION WITH SUCH THIRD PARTY RIGHTS AND REMEDIES. GLI AND RECIPIENT ACKNOWLEDGE AND AGREE THAT THE SERVICES PROVIDED BY GLI HEREUNDER COULD NOT BE RENDERED BY GLI UNDER THE TERMS PROVIDED HEREIN WITHOUT AN INCREASE IN COST IF GLI WAS REQUIRED TO PROVIDE ANY WARRANTIES IN ADDITION TO, OR IN LIEU OF, OR WAS REQUIRED TO ASSUME ANY LIABILITY IN EXCESS OF, THE FOREGOING.



