Listing Constructional Data Report (CDR)

1.0 Reference and Address			
Report Number	105610219MIN-001	Original Issued: 12-Feb-2024	Revised: 17-Dec-2024
Standard(s)	Amusement and Gaming Machines [UL 22:2008 Ed.6+R:06Feb2019] Safety of Household and Similar Appliances - Part 1: General Requirements [CSA C22.2#60335-1:2016 Ed.2] Household and Similar Electrical Appliances - Safety - Part 2-82: Particular Requirements for Amusement Machines and Personal Service Machines [CSA C22.2#60335-2-82:2020 Ed.4]		

Applicant	Bay Tek Entertainment Inc	Manufacturer	**BayTek Entertainment Inc.**
Address	1077 East Glenbrook Drive Pulaski WI 54162	Address	1077 East Glenbrook Drive Pulaski WI 54162
Country	USA	Country	USA
Contact	Zak Krueger Kong Her	Contact	Zak Krueger Kong Her
Phone	(920)-615-4992 (559)-417-9210	Phone	(920)-615-4992 (559)-417-9210
FAX	NA	FAX	NA
Email	zak.krueger@thevillage.bz kong.her@thevillage.bz	Email	zak.krueger@thevillage.bz kong.her@thevillage.bz

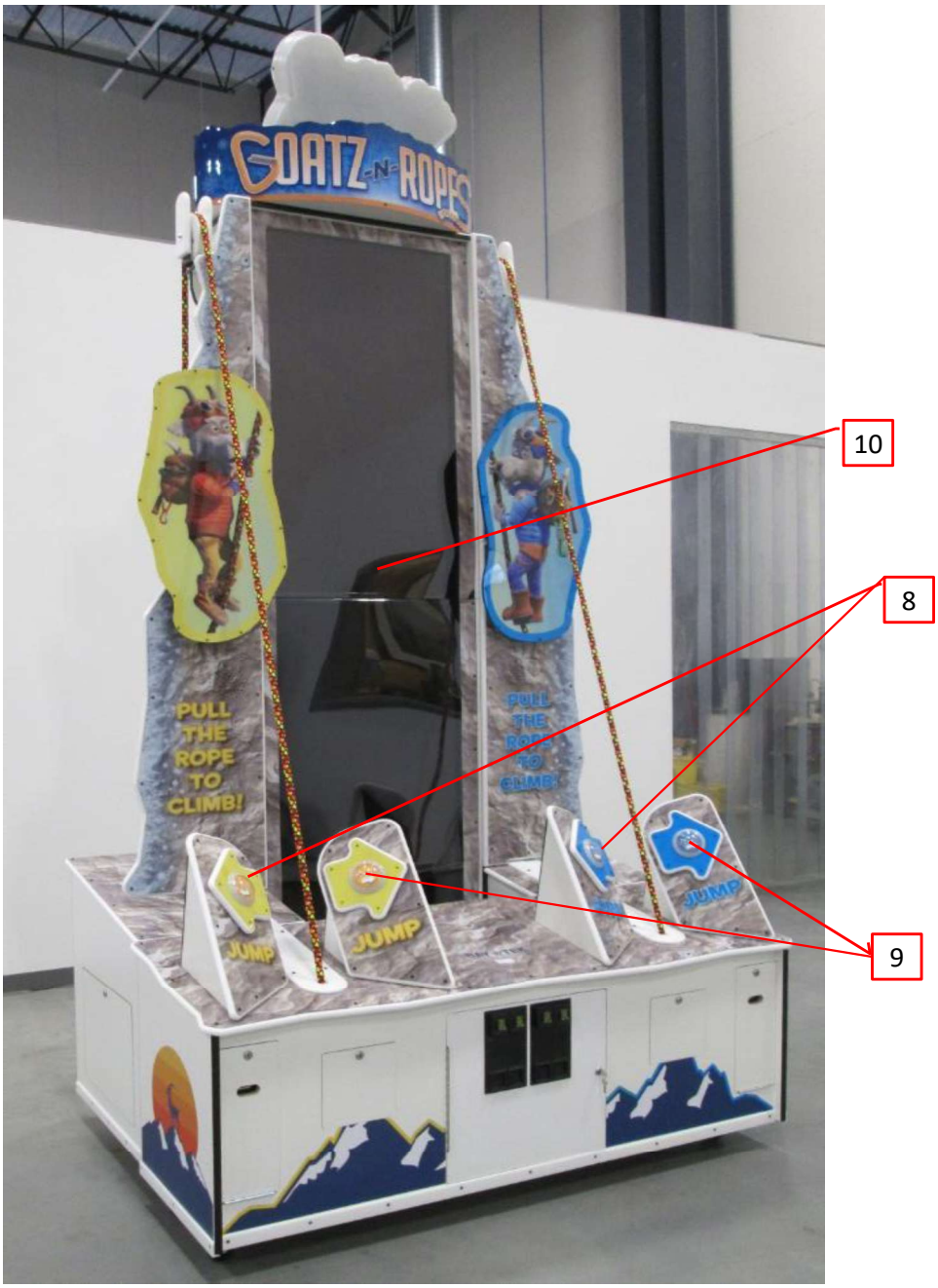
2.0 Product Description	
Product	Goatz N Ropes and Goatz N Ropes-Single Player
Brand name	Bay Tek Entertainment
Description	Goatz N Ropes is a ticket redemption amusement arcade game. Players navigate the cliff face by pulling the climbing rope to ascend the mountain and the arrow buttons to avoid obstacles including rocks outcroppings, traps, and the Yeti villain. Goatz N Ropes can either be played solo or against another competitor. The product is stationary with a detachable supply cord, and used only indoor and dry locations.
Models	AAGM-GNR or AAGM-GNR/SP; may be be followed by - ; may be followed by up to three alphanumeric characters.
Model Similarity	The alphanumeric characters in the model sequence represent non safety related aesthetic changes. AAGM-GNR-XXX is a two player Goatz N Ropes game. AAGM-GNR/SP-XXX is a single player game, which employs a smaller enclosure.
Ratings	AAGM-GNR-XXX (two player version): 100-240Vac, 50/60Hz, 6.2A/115Vac, 3.1A/230Vac AAGM-GNR/SP-XXX (single player version): 100-240Vac, 50/60Hz, 3.4A/115Vac, 1.7A/230Vac
Other Ratings	NA

3.0 Product Photographs

Photo 1 - Front Right Side

3.0 Product Photographs

Photo 2 - Front Left Side



3.0 Product Photographs

Photo 3 - Back View Panels Closed

3.0 Product Photographs

Photo 4 - Back View with Panels Open

3.0 Product Photographs

Photo 5 - Power Inlet

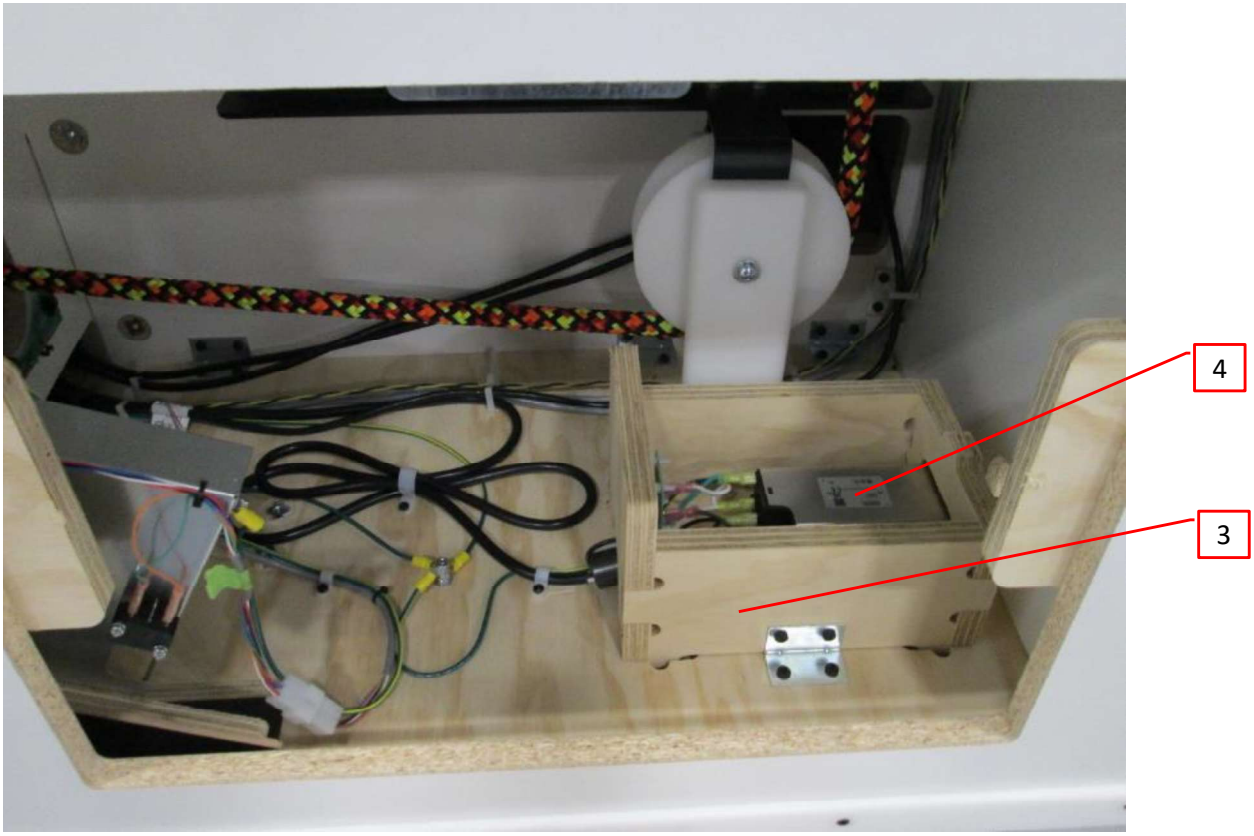
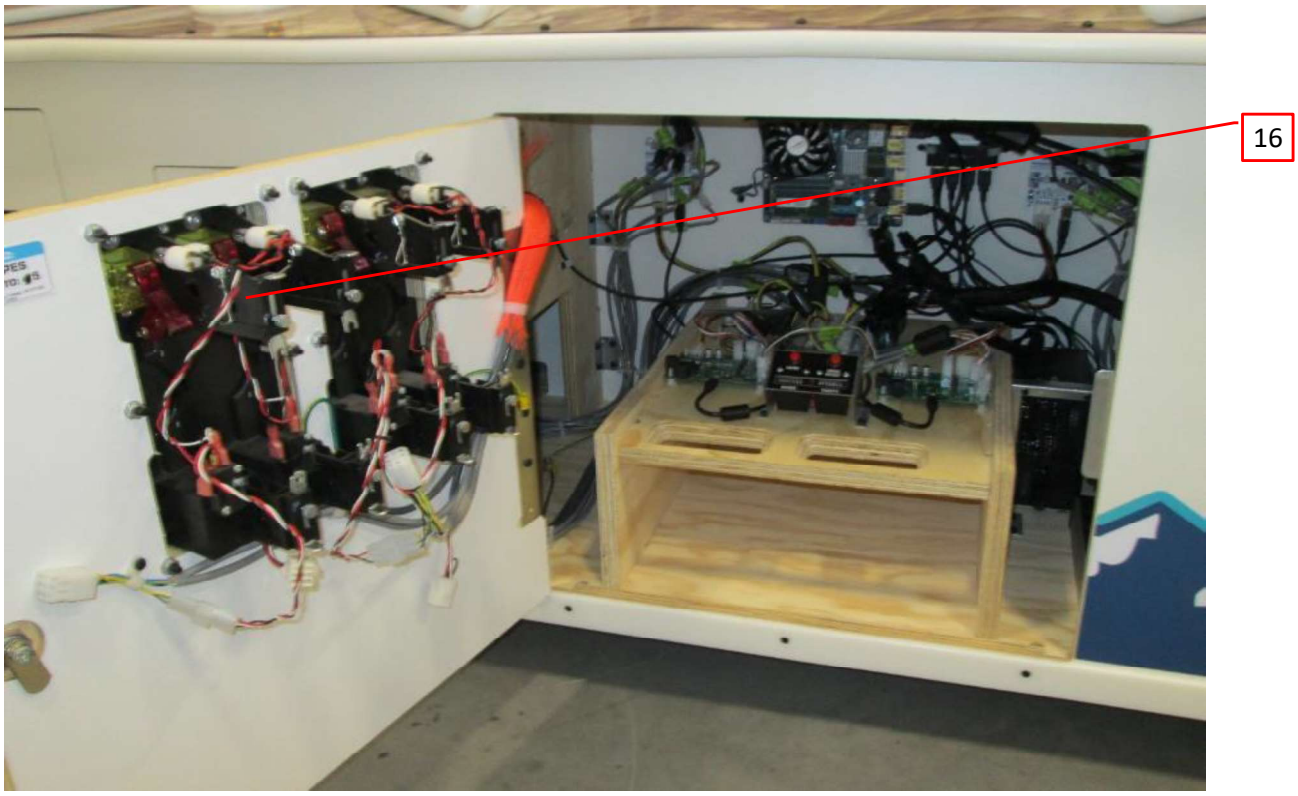


Photo 6 - Front Door and Electronics



3.0 Product Photographs

Photo 7 - Front Pulley and Ticket Dispenser

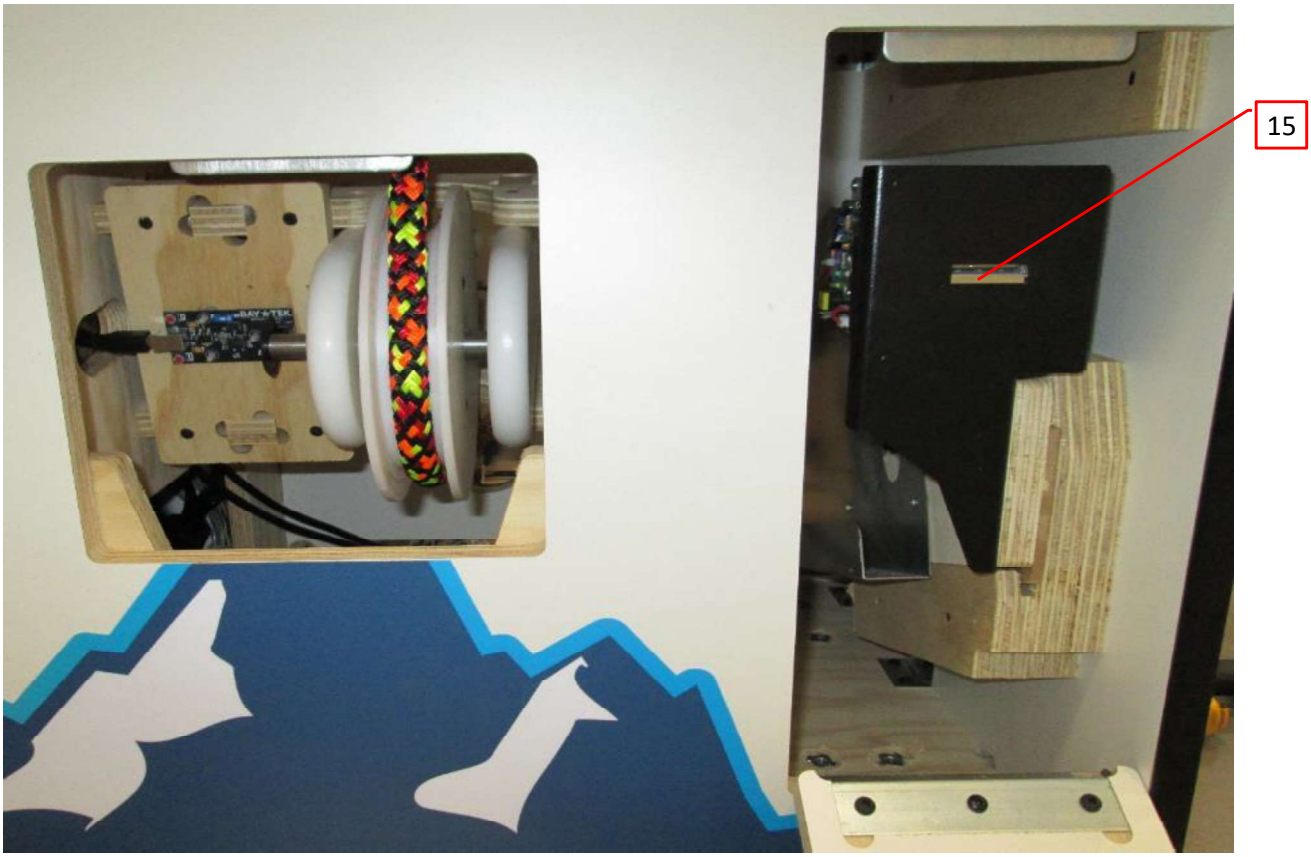


Photo 8 - Left Side Pulley

3.0 Product Photographs

Photo 9 - Goatz N Ropes - Single Player front view

Photo 10 - Goatz N Ropes - Single Player rear view

4.0 Critical Components

Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity [3]
1	1	Enclosure	Various	Various	3/4" thick high denisty polyethylene	NR
1	2	Enclosure	Various	Various	3/4" thick plywood laminated with white melamine	NR
5	3	Enclosure	Various	Various	3/4" white plywood	NR
5	4	Appliance inlet	Schaffner EMV AG (UL E493879)	FN2640-10-05-C11	Rated 250Vac, 50/60Hz, 10A	UR
6	5	Raw material for PCBs (Not Shown)	Allfavor Circuits (Shenzhen) Co Ltd	AF-M1	V-0, 130°C	cURus
			Various	Various	V-1 minimum, 105°C minimum	
6	6	Power Supply (Not Shown)	EVGA	500W	Input: 100-240Vac, 50-60Hz, 8/4A Rated power: 500W Output: +3.3V@24A, +5V@20A, +12V@40A, +5Vsb@3A, -12V@0.3A	cTUVus
				600W	Input: 100-240Vac, 50-60Hz, 10/5A Rated power: 600W Output: +3.3V@24A, +5V@20A, +12V@49A, +5Vsb@3A, -12V@0.3A	
6	7	Power Strip (Not Shown)	JiaShan Dingsheng Appliances Part Co Ltd	SFC-IEC-423	Rated 250 V, 15 A (up to quantity 2 with link kit installed)	cULus
			Various	Various		
2	8	Jumbo Clear left jump button	SuzoHapp North America	75T-4L12-11ZLB	12Vdc	NR
			Various	Various		
2	9	Jumbo Clear right jump button	SuzoHapp North America	75T-4L12-11ZLO	12Vdc (AAGM-GNR model version only)	NR
			Various	Various		
2	10	55" Monitors	Perfect Display Technology Co LTD	WM559FI	100-240 VAC, 50/60Hz, 126W	cULus
			Various	Various	100-240 VAC, 50/60Hz, 130W maximum	

4.0 Critical Components

Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity [3]
1	11	Low Voltage Luminaries, Surface mounted, "RGB" LED strip (Not Shown)	Shenzhen iPixel LED Light co., Ltd (UL E509505)	S008120TB3PZ	Located in a 12Vdc circuit	cULus
			Various	Various		
1	12	Low Voltage Luminaries, "Ultra Bright White" LED strip (Not Shown)	Shenzhen GK Lighting Co Ltd (UL E488795)	FPW012A1	Located in a 12 VDC circuit	cURus
			Various	Various		
3	13	Speaker (Not Shown)	Stetron	D0138004FP001AKR	Impedance: 4 ohms, 30W or 60W peak	NR
			Various	Various		
1	14	Bill Acceptor (optional) (Not Shown)	MEI Inc	2600 Series	12 Vdc, 10W Max	NR
				2400 Series		
			Pyramid Technologies Inc.	APEX-5X0X Series	12 Vdc, 500mA	
			Various	Various	12 Vdc, 10W maximum	
7	15	Ticket Dispensor (optional)	Entropy	TD-963CR	12 Vdc	NR
			Deltronics	DL-1275	12 Vdc	
			Various	Various	12 Vdc, 10W maximum	
6	16	Coin Collector (optional)	Bay Tek	A5PL1000	12 Vdc	NR
			Various	Various		
4	17	Marking label (Not shown)	Zebra Technologies Corp (UL MH63641)	3000T	Unprinted stock dsg: Z-Supreme 3000T White. Suitable for additional printing with one or more of the following inks (in the black color unless otherwise indicated): Thermal transfer ribbon: Zebra Technologies Corp. 3200, 4200, 4300, 4800, 5100	cURus
6	18	Ethernet cord connecter (Not shown)	Molex	940-SP-3044	Ethernet Connectors Modular Plg Standard 4P/4C Unshielded	NR
6	19	12 Pin connecter (Not shown)	Molex	03-09-1125	IDC Socket 12 Pin .100" with S	NR
6	20	4 Pin connecter (Not shown)	Molex	03-09-1042	IDC Socket 4 Pin .100" with S	NR
6	21	16 Pin connecter(Not shown)	Molex	39-01-2165	IDC Socket 16 Pin .100" with S	NR
6	22	12 Pin port (Not shown)	Molex	03-09-2121	Wire Housings 12 CKT RCPT HOUSING 2 rows, 4.2mm pitch	NR
6	23	16 Pin port (Not shown)	Molex	39-01-2165	Wire Housings 16 CKT RCPT HOUSING 2 rows, 4.2mm pitch	NR
6	24	3 Pin Port (Not shown)	Molex	03-09-2032	Headers and wire housing: through hole mount, tin pins	NR

4.0 Critical Components

Photo #	Item no.[1]	Name	Manufacturer/ trademark[2]	Type / model[2]	Technical data and securement means	Mark(s) of conformity [3]
6	25	Ethernet Port (Not shown)	Molex	95003-2441	Ethernet Connectors VERT PCB 4/4 RJ11 small panel cutout	NR

NOTES:

1) Not all item numbers are indicated (called out) in the photos, as their location is obvious.

2) “Various“ means any type, from any manufacturer that complies with the "Technical data and securement means" and meets the "Mark(s) of conformity" can be used.

3) Indicates specific marks to be verified, which assures the agreed level of surveillance for the component. "NR" - indicates Unlisted and only visual examination is necessary. "See 5.0" indicates Unlisted components or assemblies to be evaluated periodically refer to section 5.0 for details.

5.0 Critical Unlisted CEC Components

No Unlisted CEC components are used in this report.

6.0 Critical Features

Recognized Component - A component part, which has been previously evaluated by an accredited certification body with restrictions and must be evaluated as part of the basic product considering the restrictions as specified by the Conditions of Acceptability.

Listed Component - A component part, which has been previously Listed or Certified by an accredited Certification Organization with no restrictions and is used in the intended application within its ratings.

Unlisted Component - A part that has not been previously evaluated to the appropriate designated component standard. It may also be a Listed or Recognized component that is being used outside of its evaluated Listing or component recognition.

Critical Features/Components - An essential part, material, subassembly, system, software, or accessory of a product that has a direct bearing on the product's conformance to applicable requirements of the product standard.

Construction Details - For specific construction details, reference should be made to the photographs and descriptions. All dimensions are approximate unless specified as exact or within a tolerance. In addition to the specific construction details described in this Report, the following general requirements also apply.

1. Spacing - In primary circuits, 2.4 mm minimum spacing are maintained through air and over surfaces of insulating material between current-carrying parts of opposite polarity and 2.4 mm minimum between such current-carrying parts and dead-metal parts or low voltage isolated circuits.
2. Mechanical Assembly - Components such as switches, fuseholders, connectors, wiring terminals and display lamps are mounted and prevented from shifting or rotating by the use of lockwashers, starwashers, or other mounting format that prevents turning of the component.
3. Corrosion Protection - All ferrous metal parts are protected against corrosion by painting, plating or the equivalent.
4. Accessibility of Live Parts - All uninsulated live parts in primary circuitry are housed within a metal enclosure constructed with no openings other than those specifically described in Sections 4 and 5.
5. Grounding - All exposed dead-metal parts and all dead-metal parts within the enclosure that are exposed are connected to the grounding lead of the power supply cord through the appliance inlet.
6. Internal Wiring - Internal wiring is routed away from sharp or moving parts. Internal wiring leads terminating in soldered connections are made mechanically secure prior to soldering. Recognized Component separable (quick disconnect) connectors of the positive detent type, closed loop connectors, or other types specifically described in the text of this report are also acceptable as internal wiring terminals. At points where internal wiring passes through metal walls or partitions, the wiring insulation is protected against abrasion or damage by plastic bushings or grommets. All primary power wiring is minimum 18 AWG, with a minimum rating of 300V, 105 °C.
7. Schematics - NA, no schematics require verification during Field Representative Inspection Audits.
8. Markings - The product is marked on an approved labeling system as follows: applicant name, model number, serial number, date of manufacture, electrical ratings. See item 17 section 4.0
9. Cautionary Markings - Caution marking shown on illustration 1 is required, it was made from approved marking and labeling sytem as item 17 in section 4.0.
10. Installation, Operating and Safety Instructions - Instructions for installation and use of this product are provided by the manufacturer.

7.0 Illustrations

Illustration 1 - Warning label

8.0 Test Summary					
Evaluation Period	12-Jan-2024 to 31-Jan-2024			Project No.	G105610219
Sample Rec. Date	30-Nov-2023	Condition	Production	Sample ID.	MIN2311300752-001
Test Location	Intertek 40 51st Way NE, Suite 100 Fridley, MN 55421				
Test Procedure	Testing Lab				

Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.

The following tests were performed:

Test Description	UL 22:2008 Ed.6+R:06Feb2019 Clause	CSA C22.2#60335-1:2016 Ed.2 Clause	
Marking Durability	7.14	51	
Protection against access to live parts	8	45	
Power Input and Current	10	35	
Heating Test	11.8	36	
Leakage Current at Operating Temperatures	13.2	34	
Dielectric Strength at Operating Temperatures	13.3	37	
Humidity preconditioning and Spillage Test	15.2	38 & 47.1	
Leakage Current after Humidity Conditioning	16.2	37	
Dielectric Strength after Humidity Conditioning	16.3	34	
Abnormal Operations	19	41	
Abnormal operation, temperature rises	19.13	41	
Stability	20.1	39	
Impact resistance	21.1	45.2	
Capacitor Discharge Test	22.5	23.4	
Flexing Test	23.3	42	
Ground Bonding	27.5	44	
Clearances	29.1	28	
Creepage Distances	29.2	28	
Starting Current Test	--	33	

8.0 Test Summary					
Evaluation Period	25-Nov-2024 to 11-Dec-2024			Project No.	G105888642
Sample Rec. Date	24-Oct-2024	Condition	Production	Sample ID.	MIN2410241510-001
Test Location	Intertek 40 51st Way NE, Suite 100 Fridley, MN 55421				
Test Procedure	Testing Lab				

Determination of the result includes consideration of measurement uncertainty from the test equipment and methods. The product was tested as indicated below with results in conformance to the relevant test criteria.

The following tests were performed:

Test Description	UL 22:2008 Ed.6+R:06Feb2019 Clause	CSA C22.2#60335-1:2016 Ed.2 Clause	
Protection against access to live parts	8	45	
Power Input and Current	10	35	
Heating Test	11.8	36	
Leakage Current at Operating Temperatures	13.2	34	
Dielectric Strength at Operating Temperatures	13.3	37	
Spillage Test	15.2	38	
Abnormal Operations	19	41	
Abnormal operation, temperature rises	19.13	41	
Stability	20.1	39	
Capacitor Discharge Test	22.5	23.4	
Ground Bonding	27.5	44	
Starting Current Test	--	33	

8.1 Signatures

A representative sample of the product covered by this report has been evaluated and found to comply with the applicable requirements of the standards indicated in Section 1.0.

Completed by:	Charles Scripter	Reviewed by:	Mike Dums
Title:	Engineer	Title:	Staff Engineer
Signature:		Signature:	

9.0 Correlation Page For Multiple Listings	
The following products, which are identical to those identified in this report except for model number and Listee name, are authorized to bear the ETL label under provisions of the Intertek Multiple Listing Program.	
BASIC LISTEE	Bay Tek Entertainment Inc
Address	1077 East Glenbrook Drive Pulaski WI 54162
Country	USA
Product	Goatz N Ropes and Goatz N Ropes-Single Player

MULTIPLE LISTEE 1	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 1 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 2	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 2 MODELS	BASIC LISTEE MODELS

MULTIPLE LISTEE 3	None
Address	
Country	
Brand Name	
ASSOCIATED MANUFACTURER	
Address	
Country	

MULTIPLE LISTEE 3 MODELS	BASIC LISTEE MODELS

10.0 General Information

The Applicant and Manufacturer have agreed to produce, test and label ETL Listed products in accordance with the requirements of this Report. The Manufacturer has also agreed to notify Intertek and to request authorization prior to using alternate parts, components or materials.

COMPONENTS

Components used shall be those itemized in this Intertek report covering the product, including any amendments and/or revisions.

LISTING MARK

The ETL Listing mark applied to the products shall either be separable in form, such as labels purchased from Intertek, or on a product nameplate or other media only as specifically authorized by Intertek. Use of the mark is subject to the control of Intertek.

The mark must include the following four items:

1) applicable country identifiers "US" and/or "C" or "US", "C" and "EU"
2) the word "Listed" or "Classified" or "Recognized Component" (whichever is appropriate)
3) a control number issued by Intertek
4) a product descriptor that identifies the standards used for certification. Example:

For US standards, the words, “Conforms to” shall appear with the standard number along with the word, “Standard” or “Std.” Example: “Conforms to ANSI/UL Std. XX.”

For Canadian standards, the words “Certified to CAN/CSA Standard CXX No. XX.” shall be used, or abbreviated, “Cert. to CAN/CSA Std. CXX No. XX.”

Can be used together when both standards are used.

If all standards on the ATM have the same standard title, the shared title or its abbreviation may be used in place of the examples above. Example: "Medical Electrical Equipment" or "MEE"; "Information Technology Equipment" or "ITE"; "Audio/Video Information And Communication Technology Equipment" or "A/V ICTE".

Note: A facsimile must be submitted to Intertek, Attn: Follow-up Services for approval prior to use. The facsimile need not have a control number. A control number will be issued **after signed Certification Agreements** have been received by the Follow-up Services office, approval of the facsimile of your proposed Listing Mark, satisfactory completion of the Listing Report, and scheduling of a factory assessment in your facility.

MANUFACTURING AND PRODUCTION TESTS

Manufacturing and Production Tests shall be performed as required in this Report.

FOLLOW-UP SERVICE

Periodic unannounced audits of the manufacturing facility (and any locations authorized to apply the mark) shall be scheduled by Intertek. An audit report shall be issued after each visit. Special attention will be given to the following:

1. Conformance of the manufactured product to the descriptions in this Report.
2. Conformance of the use of the ETL mark with the requirements of this Report and the Certification Agreement.
3. Manufacturing changes.
4. Performance of specified Manufacturing and Production Tests.

In the event that the Intertek representative identifies non-conformance(s) to any provision of this Report, the Applicant shall take one or more of the following actions:

1. Correct the non-conformance.
2. Remove the ETL Mark from non-conforming product.
3. Contact the issuing product safety evaluation center for instructions.

10.1 Evaluation of Unlisted Components

Because Unlisted Components are uncontrolled, and they do not fall under a third party follow up program, Intertek may require these components to be tested and/or evaluated at least once annually, more often for certain components, as part of the independent certification process. The Unlisted Components in Section 5.0 require testing and/or evaluation as indicated.

The Applicant will be notified, in writing, via the applicable contact methods, as defined in Section 1.0, when these components must be selected and sent to Component Evaluation Center (CEC) for re-evaluation.

Due to particular testing requirements, some components may be requested to be shipped to specific labs. Thus, specific shipment destination(s) for each sample will be provided in the written notification.

Managing CEC Location:
Intertek Testing Services NA Inc.
ETL Component Evaluation Center
1717 Arlingate Ln.
Columbus, Ohio 43228 USA
Attn: CEC Safety
Sample Disposition: Due to the destructive nature of the testing, all samples will be discarded at the conclusion of testing unless, the manufacturer specifically requests the return of the samples. The request for return must accompany the initial component shipment.

11.0 Manufacturing and Production Tests

The manufacturer agrees to conduct the following Manufacturing and Production Tests as specified:

Required Tests

Dielectric Voltage Withstand Test, Grounding Continuity Test

11.1 Dielectric Voltage Withstand Test

Method

One hundred percent of production of the products covered by this Report shall be subjected to a routine production line dielectric withstand test.
The test shall be conducted on products, which are fully assembled. Prior to applying the test potential, all switches, contractors, relays, etc., should be closed so that all primary circuits are energized by the test potential. If all primary circuits cannot be tested at one time, then separate applications of the test potential shall be made.

The test voltage specified below shall be applied between primary circuits and accessible dead-metal parts. The test voltage may be gradually increased to the specified value but must be maintained at the specified value for one second or one minute as required.

Test Equipment

The test equipment shall incorporate a transformer with an essentially sinusoidal output, a means to indicate the applied test potential, and an audible and/or visual indicator of dielectric breakdown.
The test equipment shall incorporate a voltmeter in the output circuit to indicate directly the applied test potential if the rated output of the test equipment is less than 500VA.
If the rated output of the test equipment is 500VA or more, the applied test potential may be indicated by either:
1 - a voltmeter in the primary circuit;
2 - a selector switch marked to indicate the test potential; or
3 - a marking in a readily visible location to indicate the test potential for test equipment having a single test potential output.
In cases 2 and 3, the test equipment shall include a lamp or other visual means to indicate that the test potential is present at the test equipment output. All test equipment shall be maintained in current calibration.

Products Requiring Dielectric Voltage Withstand Test:

Product	Test Voltage	Test Time
All products covered by this Report. Between Line/Neutral and Ground)	1000 VAC	60 s
	or	
	1400Vdc	60 s
	or	
	1200Vac	1 s
	or	
	1700Vdc	1 s

11.2 Grounding Continuity Test

Method

Each product listed below shall be subjected to a test to determine that there is continuity between accessible dead-metal parts of the product and the grounding pin or blade of the attachment plug.
If all accessible dead metal is connected, only a single test need be performed. A visual or audible device (ohmmeter, buzzer, etc.) may be used to indicate grounding continuity.

Products Requiring Grounding Continuity Test:

All products covered by this Report.

12.0 Revision Summary				
The following changes are in compliance with the declaration of Section 8.1:				
Date/ Proj # Site ID	Project Handler/ Reviewer	Section	Item	Description of Change
17-Dec-2024	C. Scripter C.S.	2	-	Changed Product From: "Goatz N Ropes" To: "Goatz N Ropes and Goatz N Ropes-Single Player" Changed Models From: "AAGM-GNR-XXX; where XXX may be blank or any combination of alphanumeric characters. These alphanumeric characters represent non safety related aestetic changes." To: "AAGM-GNR or AAGM-GNR/SP; may be be followed by -; may be followed by up to three alphanumeric characters." Changed Model Similarity from: "NA" To: "The alphanumeric characters in the model sequence represent non safety related aesthetic changes. AAGM-GNR-XXX is a two player Goatz N Ropes game. AAGM-GNR/SP-XXX is a single player game, which employs a smaller enclosure." Changed Ratings From: "100-240Vac, 50/60HZ, 6.2A/115Vac, 3.1A/230Vac" To: "AAGM-GNR-XXX (two player version): 100-240Vac, 50/60Hz, 6.2A/115Vac, 3.1A/230Vac AAGM-GNR/SP-XXX (single player version): 100-240Vac, 50/60Hz, 3.4A/115Vac, 1.7A/230Vac"
G105888642MIN	M. Dums M.D.	3	-	Added photos 9 and 10, showing exterior of AAGM-GNR/SP
		4	9	Added to Technical data: "(AAGM-GNR model version only)"
		8	-	Added new test period
		8	1	Changed Completed by: from "Scott Jendro" to "Charles Scripter"