

MotionMaster



DESCRIPTION

Fully automated, computer programmed Motion Master synchronizes hydraulically activated seats with sensational visual experiences. An infinite combination of 8 directions of movement instantly stimulates crowd response as participants watch a high impact point of view 70mm film projected at 24 or 30 frames per second on a large screen. Crisp, vibrant imagery and high fidelity six-channel surround sound combine with a full range of variations of pitch, bank, vertical, lateral movement and, if desired, special effects such as wind, lights, fog, laser and smell to rival or even surpass the real thing.

Motion Master is the first cost effective 4-axis motion simulator offering both high capacity and dynamic individual seat movement. Audiences can actually feel the sharp dips and hairpin turns of the world's best roller coasters, the sensation of flying a jet and the thrill of getting behind the wheel of a Formula I race car -- all without leaving their theater seats. A demonstration video tape of Motion Master in action is available on request. See and hear for yourself what Motion Master viewers are feeling and experiencing.

Motion Master is a ride simulator for now and the future in a wide variety of locations. Motion Master is space efficient, easy and economical to update with new film adventures and costs less to insure than traditional amusement thrill rides.

Motion Master can be themed to your fantasy. There is no shut-down time for renovating or removing a structure. Rebuilding, re-landscaping and retraining personnel is not required.



P.O. Box 5807/Sarasota, Florida 34277-5807/U.S.A.
Phone: (813) 924-4239/Telex: 803785/Fax: (813) 924-2643

APPLICATIONS

Motion Master is year-round family fun with tremendous drawing power and sponsor appeal. The Motion Master 70mm simulation experience will entertain a broad market including adults, children, students, residents and tourists. Motion Master is a major attraction for amusement and theme parks; industrial, commercial and institutional trade shows; shopping malls; planetariums; science museums; special exhibits; expositions; World's Fairs and other high traffic locations.

MANUFACTURER AWARD

Motion Master won first place for "Most Outstanding Exhibit of New Major Ride" at the 1988 International Association of Amusement Parks and Attractions trade show.

Motion Master won first place for "Most Outstanding Exhibit of New Technology Applied to Amusements" at the 1987 International Association of Amusement Parks and Attractions trade show.

Omni Films International, Inc. in combination with OFI Technology, Inc., a wholly owned subsidiary, is the sole designer and manufacturer of Motion Master. The entire Motion Master Theater System including the hydraulically actuated seats; 70mm projection and six channel surround sound; screen; and computerized projection to seat synchronization are manufactured, assembled and pre-ship tested by Omni Films International, Inc. and OFI Technology, Inc., in Sarasota, Florida, U.S.A.

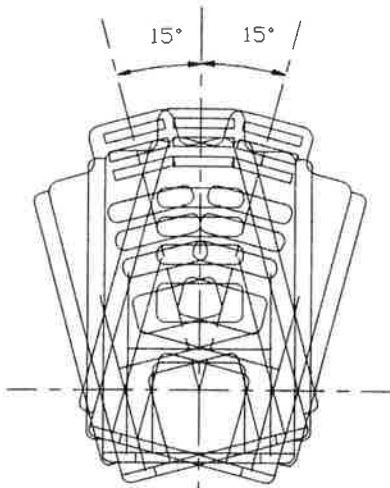
PATENT

U.S. and Foreign Patents Pending.

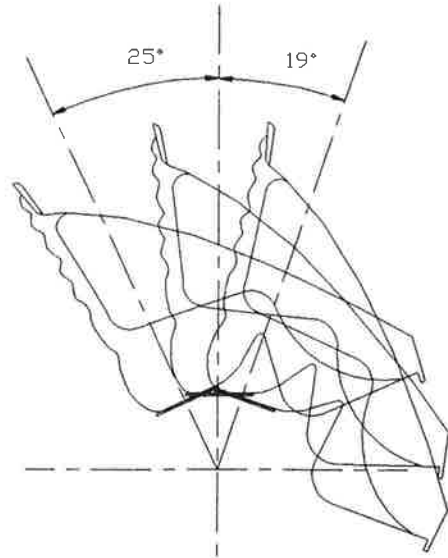
ADVERTISING

Motion Master looks great in the ads. A very strong advertising message can be made on T.V., radio, print, signage, and most importantly, word of mouth. Friends and family members love to tell each other how much fun and excitement they had experiencing Motion Master.

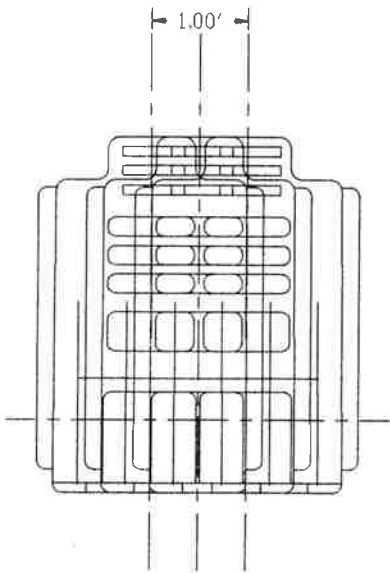
MOTION MASTER 4 AXIS DYNAMIC CAPABILITY



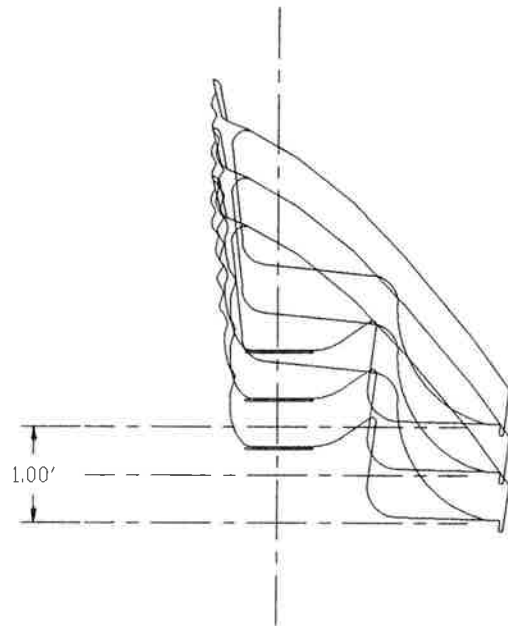
ROLL: +/- 15.0 DEG
ACCELERATION: 200 DEG/SEC
VELOCITY: 78 DEG/SEC



PITCH: FORWARD 19 DEG
 BACKWARD 25 DEG
ACCELERATION: 200 DEG/SEC
VELOCITY: 95 DEG/SEC



LATERAL: +/- 6.0"
ACCELERATION: 0.88 G
VELOCITY: 64"/SEC



VERTICAL: +/- 6.0"
ACCELERATION: 0.75 G
VELOCITY: 59"/SEC

MOVES THAT MAKE NEWS

Motion Master moving theaters are proven crowd pleasers at home and abroad. Here's what the major U.S.A. TV Networks have to say:

CBS "Motion Master could revolutionize the way we see movies."

NBC "Motion Master is riding a wave that is about to sweep the entertainment world."

ABC "Motion Master is an experience like none you have seen before."

CNN "An incredible ride."

DYNAMIC 4-AXIS CAPABILITY

Motion Master seats can duplicate action from a boat floating on a "Sunday pond" to "9" on the Richter Scale. The four axis, eight directional movement can simulate the most complex gravitational forces. The lateral movement allows Motion Master to simulate an extended pendulum motion. This movement is critical to producing the realism of a race car fishtailing around a corner, a plane in hot pursuit slipping side to side, or a boat rolling through wave troughs.

Motion Master riders are in their own world of adventure the moment they sit down. Individual seats are fitted with a grip handle for each hand. Maximum audience impact and enjoyment are assured, regardless of row position, because everyone rides at the same level of intensity.

Motion Master operates at a hydraulic pressure of only 1500 psi, one half of its 3000 psi design capability.

THE REAL TEST

After six months of continuous operation averaging 80 shows per day a 70 seat Motion Master needed only minor adjustments when Omni Films' engineer made a pre-scheduled service call. The customer's comment - "Motion Master is more exciting than my double looping coaster, costs far less to operate and maintain and is just as popular. People come to the park to experience Motion Master because their friends tell them how real the effects are."

THE COMPANY

Omni Films International, Inc., formerly Omnivision, Inc. was founded in 1976. Omni Films in cooperation with OFI Technology, Inc., a metal and mechanical fabrication plant and wholly owned subsidiary, has successfully developed, manufactured, assembled and sold equipment and produced films for five different 70mm theater systems. Omni Films' five products are:

Motion Master
Cinema 180
ESI 3-D
Omnivision
Magnavision

On October 26, 1988, Omni Films' successful Initial Public Offering took place and trading started under OFII on NASDAQ.

COMPONENTS & SERVICES SUPPLIED

Seat Rows of 8, 10, 12 or 14 Passengers

Contemporary "Racaro" style seats with foot rests, grip handles, seat belts or optional automatic shoulder restraint for faster loading and unloading are mounted onto a computer controlled, four axis, multidirectional, hydraulically operated motion frame. Hydraulic power unit, hydraulic hoses, hose adapters, proportional valves, hydraulic cylinders and seat safety sensor included. The four axis eight directions of movement for each seat row is created by only five powerful hydraulic cylinders. For rows of 8, 10, or 12 passengers individual or "single" seats are supplied. Dual or "date" seats are supplied for 14 passenger rows.

Large-Screens

Rectangular slightly curved screens from 40' to 80' wide are constructed of high quality perforated (9 - 11% opening) vinyl screen material with a gain of 0.85. Unitized structural steel support frame with speaker mounting brackets and component hardware also included.

570 or 870 Projection

A five or eight perforation 70mm projector at 24 or 30 frames per second delivers giant, crisp, bright images, full of vibrant contrasting colors. These high definition, very detailed images create exceptional visual impact. A simple pulley change on the projector changes the speed from 24 frames per second to 30. This feature offers operators maximum flexibility when choosing film adventures from Omni Films' 70mm 24 frame per second library or from new 30 frame per second productions. The faster frame rate reduces strobing and peripheral flicker. The result is improved image clarity without the added operational problems and expense of higher frame rates.

The Xenon lamphouse with 4500, 7000 or an optional 12,000 Watt projection lamp provides a dependable light source large enough to illuminate screens from 40'w x 18'h to 80'w x 61'h.

Synchronization of film, seats and sound is achieved with an innovative film frame recording device proprietary to Omni Films. It eliminates the need for synchronization signals on the sound track and the dread of every operator, "being out of sync". Operators appreciate the convenience of Motion Master's fully automated integrated projection console which provides one button control of projector, continuous loop film cabinet, lamphouse, sound, seat synchronization, house lights and instant monitor recognition of seat occupancy, locked seat belts or locked optional shoulder restraints.

Customers can choose between reel to reel, film platter or a continuous loop for film storage and transport. The continuous or endless loop transports the film through an enclosed cabinet with mechanically driven film sprockets. It is recommended because it protects the rugged Estar base film from dirt, scratches and perforation damage, saves replacement print costs and provides operators faster show rotation. "Rock" steady images projected through a custom multi-element lens assures sharply focused action on the screen.

Six-Channel Surround Sound

Whether you choose the standard single or optional double, six-channel analog sound system, you can be confident you will have six channels of clean, transparent, synchronized, surround sound. Integrated into the projection console, the standard pre-mounted/wired Motion Master single analog sound system comes complete with four powerful (400 Watt/Channel) dual amplifiers, custom designed ultra low-noise preamplifier, mixer, three dual equalizers, seven 15 inch 3-way speakers, two sub-woofers, dBx Subharmonic Synthesizer, dBx Noise Reduction, crossover network, microphone, tape deck and speaker wire.

Automation/Synchronization

Reliable, high quality automation controls provide system functions of start/stop, volume control, theater lights bright/dim, seat activate/deactivate. A custom seat monitor tells the operator when the seat is occupied and if the seat restraint is locked. The Motion Master computer with software provides synchronized interface between the projector, sound and seat movement.

Maintenance/Spare Parts

Selected parts for the projection, sound, automation and hydraulics are provided so operators can keep their Motion Master Theater system at a constant high maintenance level.

Technical Support

Technical support is available during theater planning, design and construction, as well as at the time of installation and training of on-site personnel.

Operation and maintenance manuals, presented at the time of installation, for projection, sound, automation and hydraulics provide a guide for proper service/maintenance and trouble shooting.

Omni Films' technicians are available by phone, fax or telex. In addition, Omni Films technicians are available to go to Motion Master installations for qualified contract warranty claims or under the terms and conditions of an after sale service contract.

Spare and maintenance parts are inventoried at Omni Films' factory in Sarasota, Florida, U.S.A. for fast delivery by air. Qualified technicians from independent service companies are available nearly world-wide, for most Motion Master components. If necessary, Omni Films can assist in locating such service companies at the time of sale or installation.

Warranty

The Motion Master Theater system components provided by Omni Films will be warranted for a period of one year from the date of installation. Warranty conditions will be according to the Specific terms stated in Omni Films International, Inc. Sales Contract. Normal wear parts such as delron shoes, keepers and rails are excluded. Xenon projection bulbs, also excluded, will carry the bulb manufacturer's normal 1000 hour pro rated warranty.

FOUNDATION DESIGN

Seat row base reaction load calculations as well as plan, elevation, piping, conduit and anchor layout drawings will be supplied to customer's registered professional engineer and architect for final foundation and theater design. The final foundation and theater design will be determined by seat row base reaction loads, site conditions, local building code requirements, and requirements for audience access and egress.

The final stamped foundation design and all related costs shall be the responsibility of the customer.

ELECTRICAL REQUIREMENTS:

<u>60 Cycle</u>	<u>MM24</u>	<u>MM36</u>	<u>MM48</u>	<u>MM60</u>	<u>MM72</u>
Kilowatts	22	33	44	55	66
Volts	220/110	220/110	220/110	220/110	220/110
Phase	3	3	3	3	3
Amps	100	150	200	250	300

<u>50 Cycle</u>					
Kilowatts	22	33	44	55	66
Volts	380/208	380/208	380/208	380/208	380/208
Phase	3	3	3	3	3
Amps	58	87	116	145	174

<u>60 Cycle</u>	<u>MM84</u>	<u>MM96</u>	<u>MM120</u>	<u>MM144</u>
Kilowatts	77	88	110	132
Volts	220/110	220/110	220/110	220/110
Phase	3	3	3	3
Amps	350	400	500	600

<u>50 Cycle</u>				
Kilowatts	77	88	110	132
Volts	380/208	380/208	380/208	380/208
Phase	3	3	3	3
Amps	203	232	290	348

SITE PREPARATION

Prior to arrival on site by Omni Films' technical representative, purchaser or his appointed general contractor must have the site free and clear and completely prepared in a manner suitable for installation of the Motion Master seat rows, projection and sound systems. The normal steps required to prepare a site completely are as follows:

- Secure building permits
- Clear and level site
- Layout, excavate, form, set hydraulic supply and return pipe, pour and finish (minimum 2500 psi concrete) foundation and floor
- Erect theater building with projection and equipment rooms
- Position preassembled seat rows through properly sized door or wall opening. (Shipping seat rows preassembled saves on-site assembly time, however, if theater access conditions require, seat rows can be shipped disassembled.)
- Properly position each seat row and anchor with either pre-set "j" or chemical bond type anchors
- Install electrical and mechanical service
- Connect electric to master and remote control panels, hydraulic pump unit and 110 volt line to each seat row slave controller
- Install loading platforms, queue rails, carpet, etc. after seat rows are installed

INSTALLATION

The purchaser or his appointed general contractor shall provide 1) power sufficient to operate tools, seat rows, projection and sound, 2) a competent installation supervisor, labor crew and language interpreter, if required, 3) all necessary equipment and equipment operators to complete installation of the Motion Master Theater system, 4) a completed theater structure ready to accept installation of the theater equipment.

Normal installation sequence:

- Unload seat rows, hydraulic pump unit, projection, sound and screen
- Position, level and anchor preassembled seat rows (prior to roof installation or through properly sized door or wall opening)
- Flush and pressure check hydraulic supply and return lines
- Install hydraulic pump unit, connect to electric, fill hydraulic reservoir (fluid to be purchased locally by customer) and test
- Connect flexible hydraulic lines at each row to supply and return stand pipes
- Complete electrical connections
- Install projection/sound system; connect 110 volt cable to master and slave synchronization controls; connect seat belt monitor; test
- Set speakers and connect speaker wire to sound system
- Test each row; bleed air from lines; check hydraulic filters
- Install screen
- Show film, test entire system and make final adjustments
- Upon completion of seat row, projection, sound and screen installation, it will be customer's responsibility to install the loading platforms, carpet and queue rails.

MANPOWER REQUIREMENTS

Installation of the seat rows, projection, sound, screen and training of on-site personnel in proper operation and maintenance procedures will require the following personnel on site for the number of days indicated under each model.

<u>Qty.</u>	<u>Type</u>	<u>Model/Days</u>		
		<u>MM24</u>	<u>MM36</u>	<u>MM48</u>
5	Labor Crew	8	10	12
1	Supervisor	8	10	12
1	OFI Tech. Rep.	10	12	14
1	Electrician	5	6	7
1	Electrician's Helper	5	6	7
1	Projectionist	10	12	14
1	Interpreter (If required)	10	12	14

<u>MM60</u>	<u>MM72</u>	<u>MM84</u>	<u>MM96</u>	<u>MM120</u>	<u>MM140</u>
14	16	18	20	28	32
14	16	18	20	28	32
16	18	20	22	30	34
8	9	10	11	15	16
8	9	10	11	15	16
16	18	20	22	30	34
16	18	20	22	30	34

The information presented above is provided as a helpful guide. It does not take into account any delays such as bad weather, strikes, equipment breakdown, etc. Approximate times above do not include site preparation; installation of electric, or HVAC or construction of facade, loading platforms, carpet or queue rails. Omni Films International assumes no obligation or liability whatsoever in connection with the information presented above.

Equipment and Materials Required:

Days

- 1 - Forklift to off load trucks or containers 1-2
- 1 - Crane to set seat rows. Crane should be capable of lifting 6000 lbs. with safety factor; boom length dependent on site conditions; assortment of cables or nylon slings required. 1-2
- 1 - Scaffold, mounted on lock type wheels, appropriate to height of projection screen 4-5
- Standard hand tools
- 3/8" drill w/bits
- Hydraulic fluid as required (Recommend Gulf "Harmony" 68AW)

OPERATING PERSONNEL

For Motion Master as part of a larger pay-one-price attraction:

One (1) Projectionist
One (1) Assistant Projectionist (for backup and shift relief)
One (1) Usher (more ushers are suggested on high traffic days)

For Motion Master as a stand-alone attraction with its own ticket box:

Above personnel, plus

One (1) Theater Manager/Cashier
One (1) Assistant Theater Manager/Cashier
One (1) Cashier

MAINTENANCE

Motion Master's design is simple yet very sophisticated. The result is a highly reliable eight direction simulator capable of duplicating intricate gravitational forces with a minimum requirement for maintenance and service.

Each day the projection film path should be checked. Each month the projection oil, delron runners and shoes. The seat system requires a daily check of hydraulic oil filters, hoses and power unit, and on a weekly basis the following for each row of seats:

Lubricate 8 cam followers on vertical guide columns.
Clean and lube vertical guide rails (4 per row).
Lubricate self alignment bearing for each hydraulic cylinder (5 per row).
Lubricate each seat alignment bearing.
Clean and lubricate UHMW bearing on each seat support tube (2 per row).

Annual maintenance expense is expected to average between \$2900 per year for the 4500 Watt projection system and \$3400 per year for the 7000 Watt projection system. Approximate annual projection maintenance expense includes one replacement Xenon projection bulb, miscellaneous spare parts and proration for long life components such as sound head and projector intermittent assembly.

FILM LIBRARY

Program I: Omni Films currently has three hours of existing high impact point of view thrill scenes available. Footage includes top roller coasters from around the World, runaway trains, car chases, flight acrobatics, motor cycle races, helicopter rides over, through and under some of nature's and man's greatest wonders and much more.

"Brainstorm" produced and directed by Douglas Trumbull and starring Natalie Wood, Christopher Walken, Cliff Robertson and Louise Fletcher, features eleven point of view scenes from Omni Films movie library including the "Loch Ness Monster", roller coaster, Lake Placid bobsled run, snowmobiling in Utah, Grand Canyon, Golden Gate Bridge, surfboarding, and a runaway tractor trailer.

Customers are encouraged, with the assistance of Omni Films, to create their own 2 1/2 - 5 minute film(s) by selecting various scenes from the existing library. Once selected the scenes will be composed into a film and programmed for synchronization with the Motion Master seats.

Annual Lease Price: \$20,000 to \$25,000 for each 2 1/2 to 5 minute adventure including one film print with computer program.

Program II: Omni Films is currently in production on new themed Motion Master point of view footage. The first film will be a Space Adventure where each viewer will experience flying a star fighter. This film will be ready for release in March, 1990. The second film will highlight U.S. Naval Aviation on board a U.S.A. aircraft carrier. A former "Top Gun" instructor will coordinate the shoot. Other scripts for themed adventures are being drafted. They include a submarine chase, a military tank ride, journey to the center of the earth and flight into the "eye" of a hurricane.

Annual Lease Price: Depending on film cost and program complexity, these 2 1/2 to 5 minute themed adventures are expected to lease for \$30,000 to \$50,000 each, including one film print with computer program.

Program III: Some Motion Master theater locations, such as shopping malls, are expected to have a higher demand for film adventures because of increased repeat visitation. Operators of such Motion Master theaters are encouraged to participate in an annual film leasing program which allows access to the Motion Master film library. The annual lease price will be determined by the number of film adventures and prints required.

Program IV: In the last 12 years as a film production company, Omni Films has talked to a number of entrepreneurial companies and individuals who would like to be involved in making a movie and running a 70mm theater. Omni Films, therefore, offers a fourth option where the Motion Master customer may enter into a contractual agreement to participate in the production of a film. In return the customer will receive rights to use the film exclusively in his market area and share in the revenues generated from distribution to Motion Master theaters in his own country and internationally.

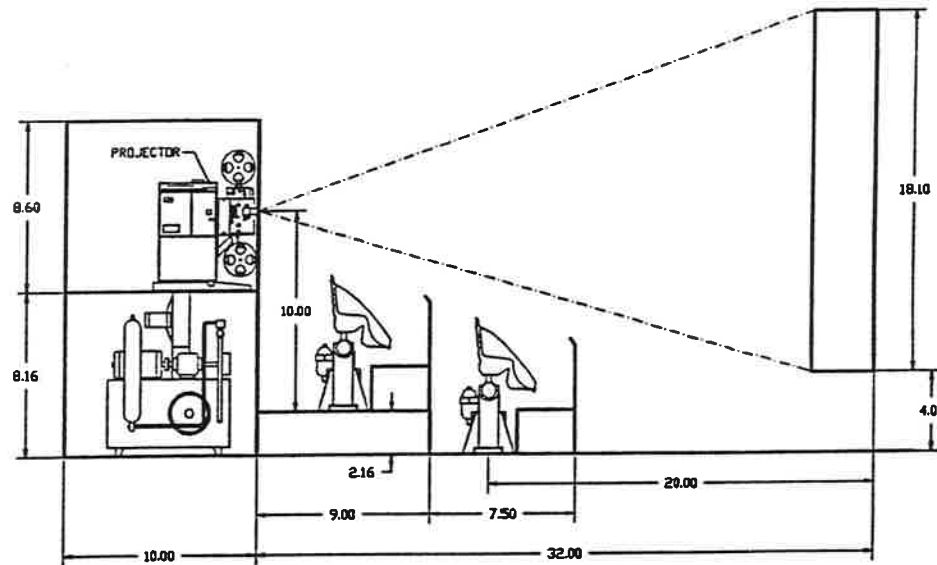
Besides custom film production Omni Films can also provide 70mm custom film titles and/or promotional film trailers for exhibitors and their sponsors.

OMNI FILMS International, Inc.

PRODUCT INFORMATION AND ENGINEERING DATA

"MOTION MASTER" TYPICAL 24-SEAT THEATER

SHEET: MM-015



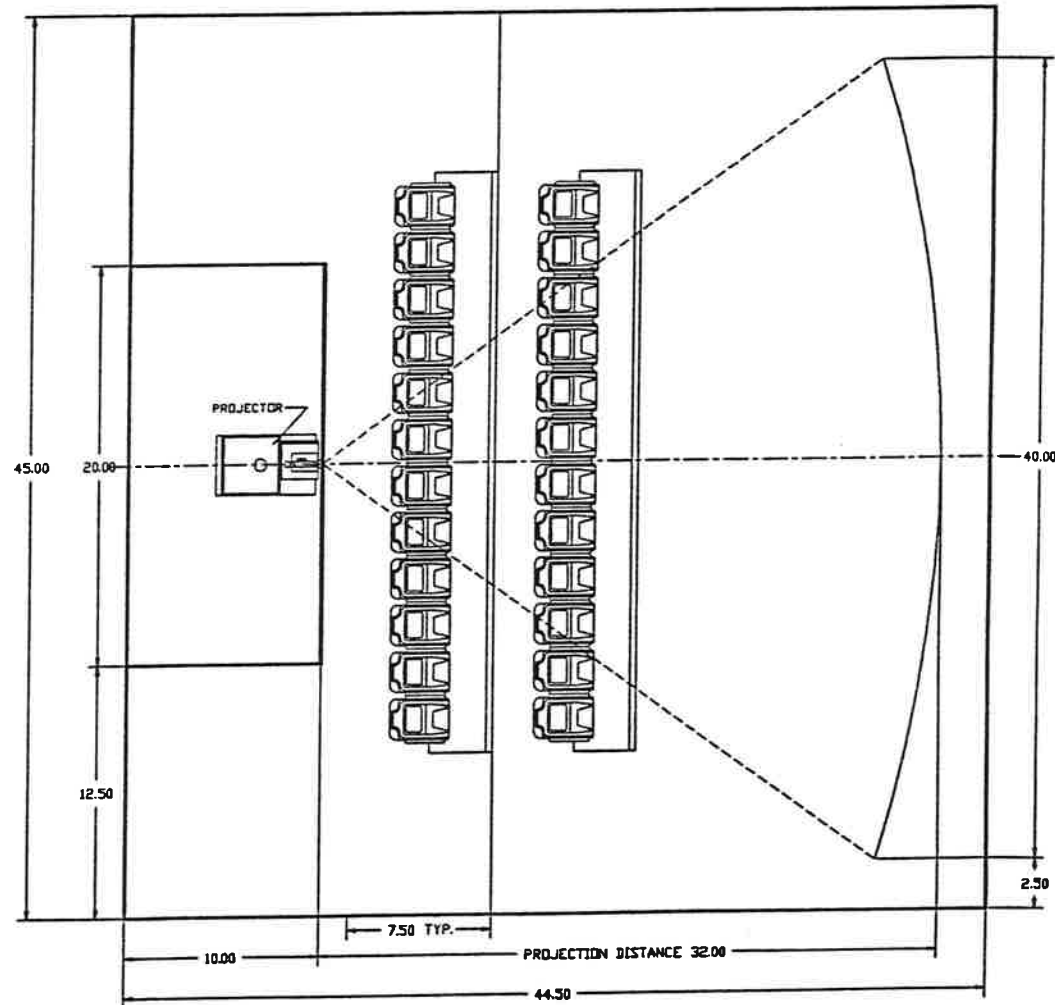
SIDE ELEVATION

OMNI FILMS International, Inc.

PRODUCT INFORMATION AND ENGINEERING DATA

"MOTION MASTER" TYPICAL 24-SEAT THEATER

SHEET: MM-016

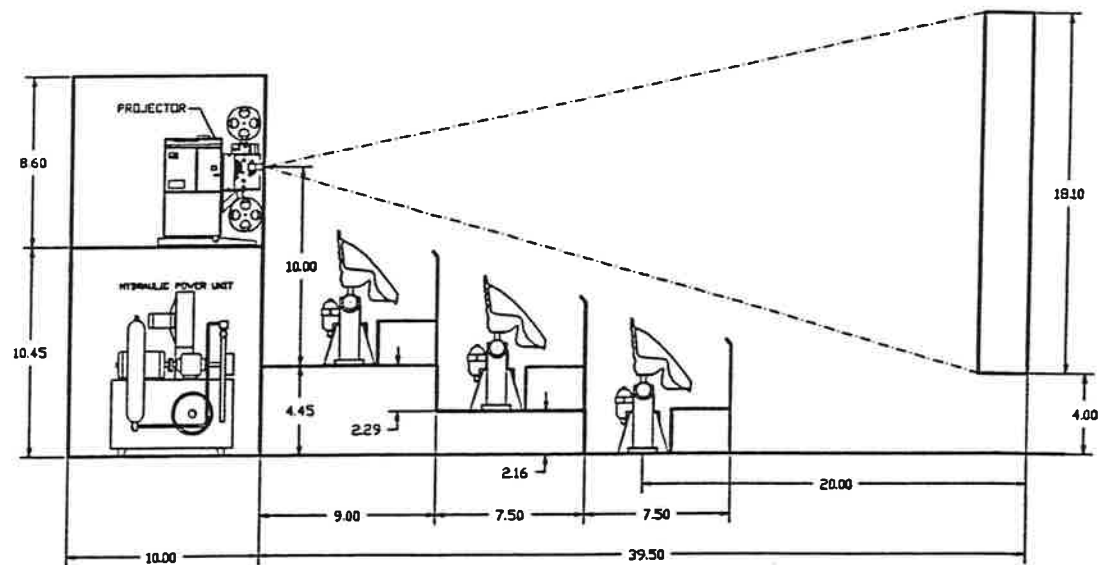


OMNI FILMS International, Inc.

PRODUCT INFORMATION AND ENGINEERING DATA

"MOTION MASTER" TYPICAL 36-SEAT THEATER

SHEET: MM-013



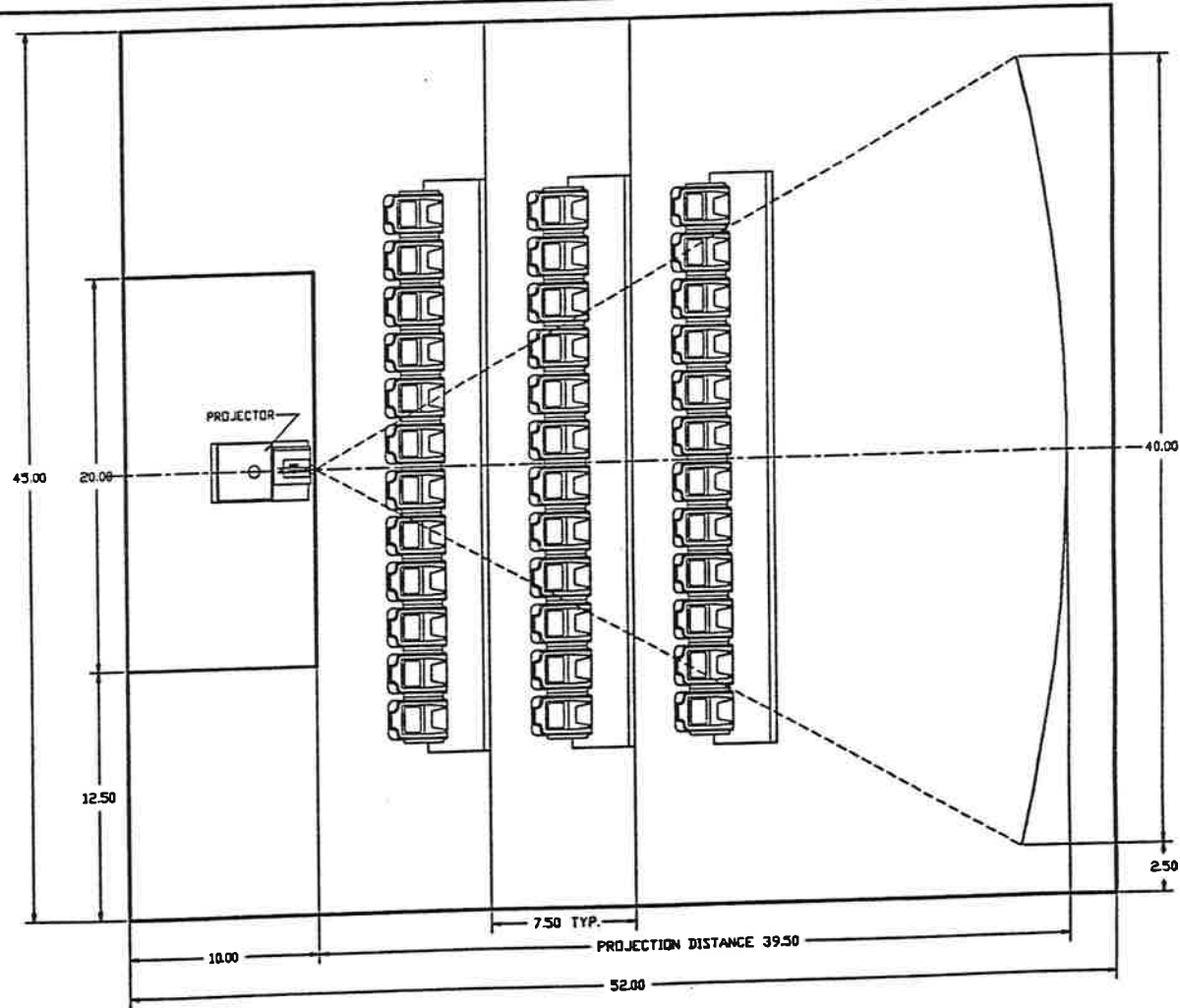
SIDE ELEVATION

OMNI FILMS International, Inc.

PRODUCT INFORMATION AND ENGINEERING DATA

SHEET: MM-014

"MOTION MASTER" TYPICAL 36-SEAT THEATER

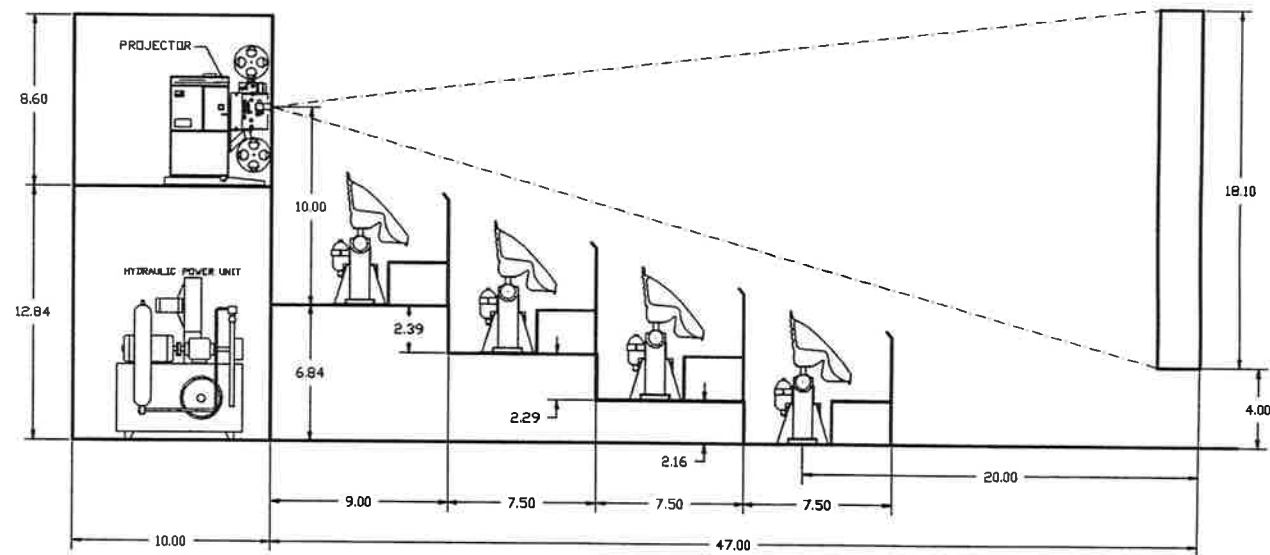


OMNI FILMS International, Inc.

PRODUCT INFORMATION AND ENGINEERING DATA

"MOTION MASTER" TYPICAL 48-SEAT THEATER

SHEET: MM-001



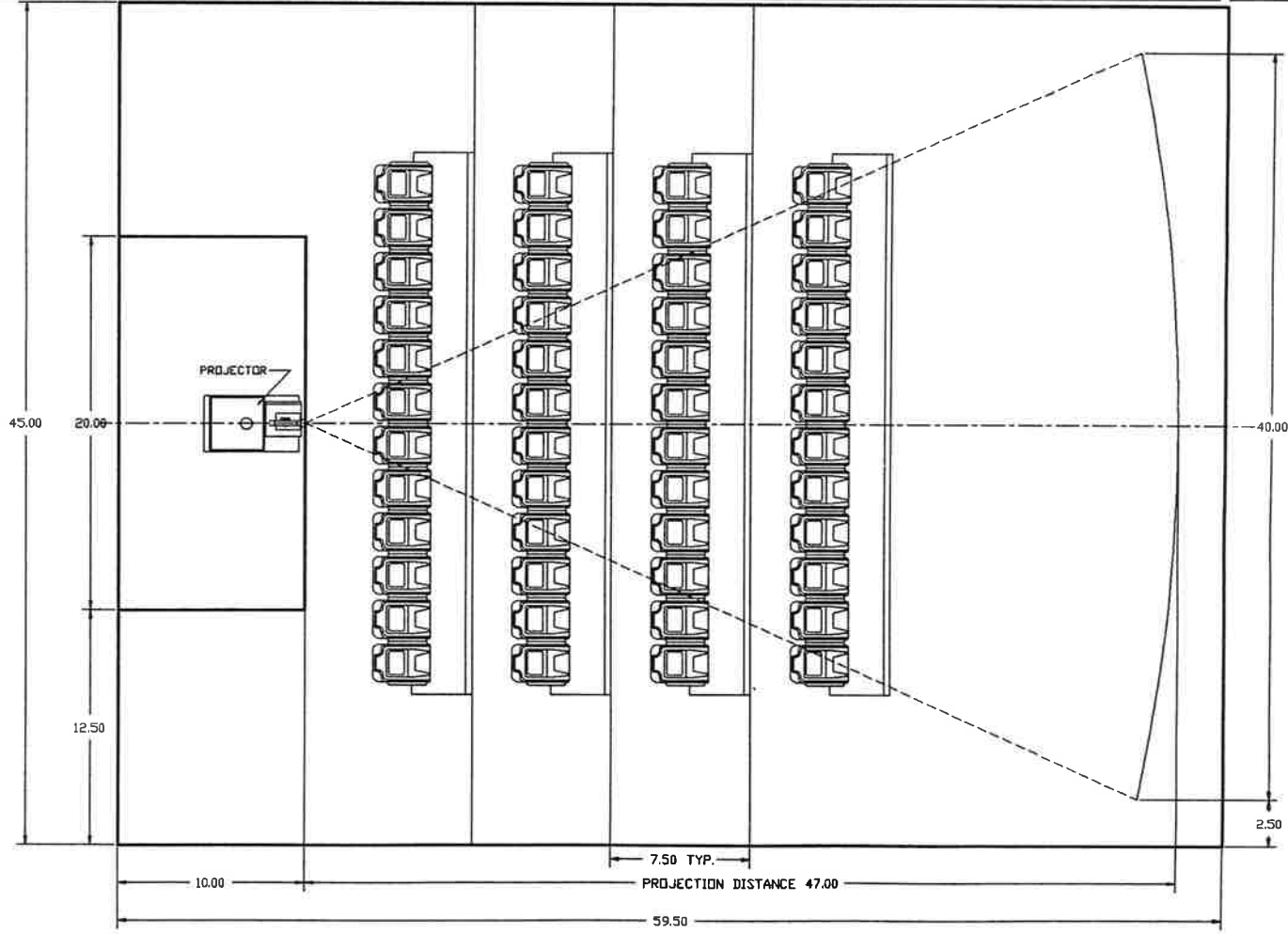
SIDE ELEVATION

OMNI FILMS International, Inc.

PRODUCT INFORMATION AND ENGINEERING DATA

"MOTION MASTER" TYPICAL 48-SEAT THEATER

SHEET: MM-002



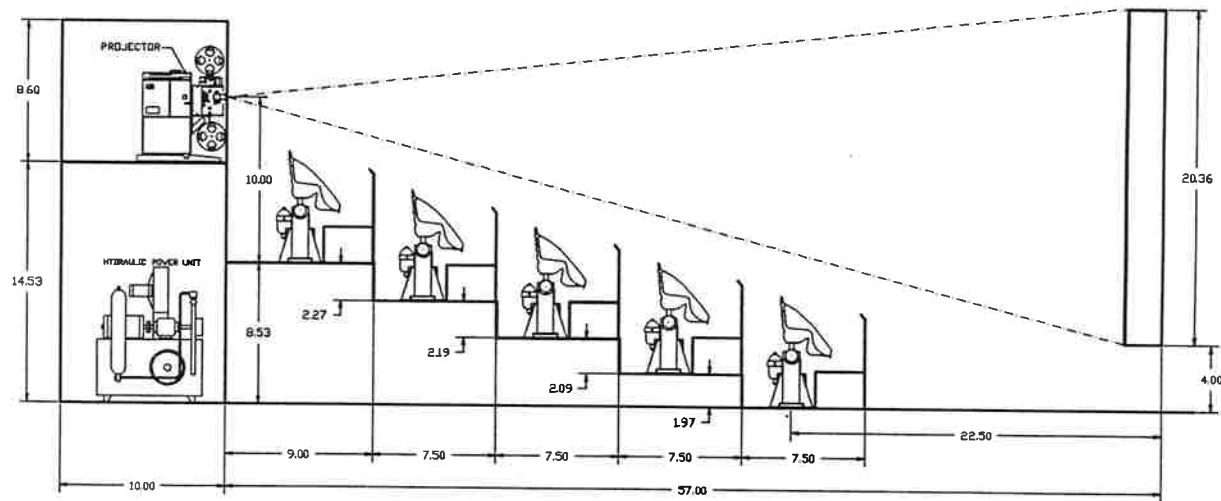
PLAN VIEW

OMNI FILMS International, Inc.

PRODUCT INFORMATION AND ENGINEERING DATA

"MOTION MASTER" TYPICAL 60-SEAT THEATER

SHEET: MM-004



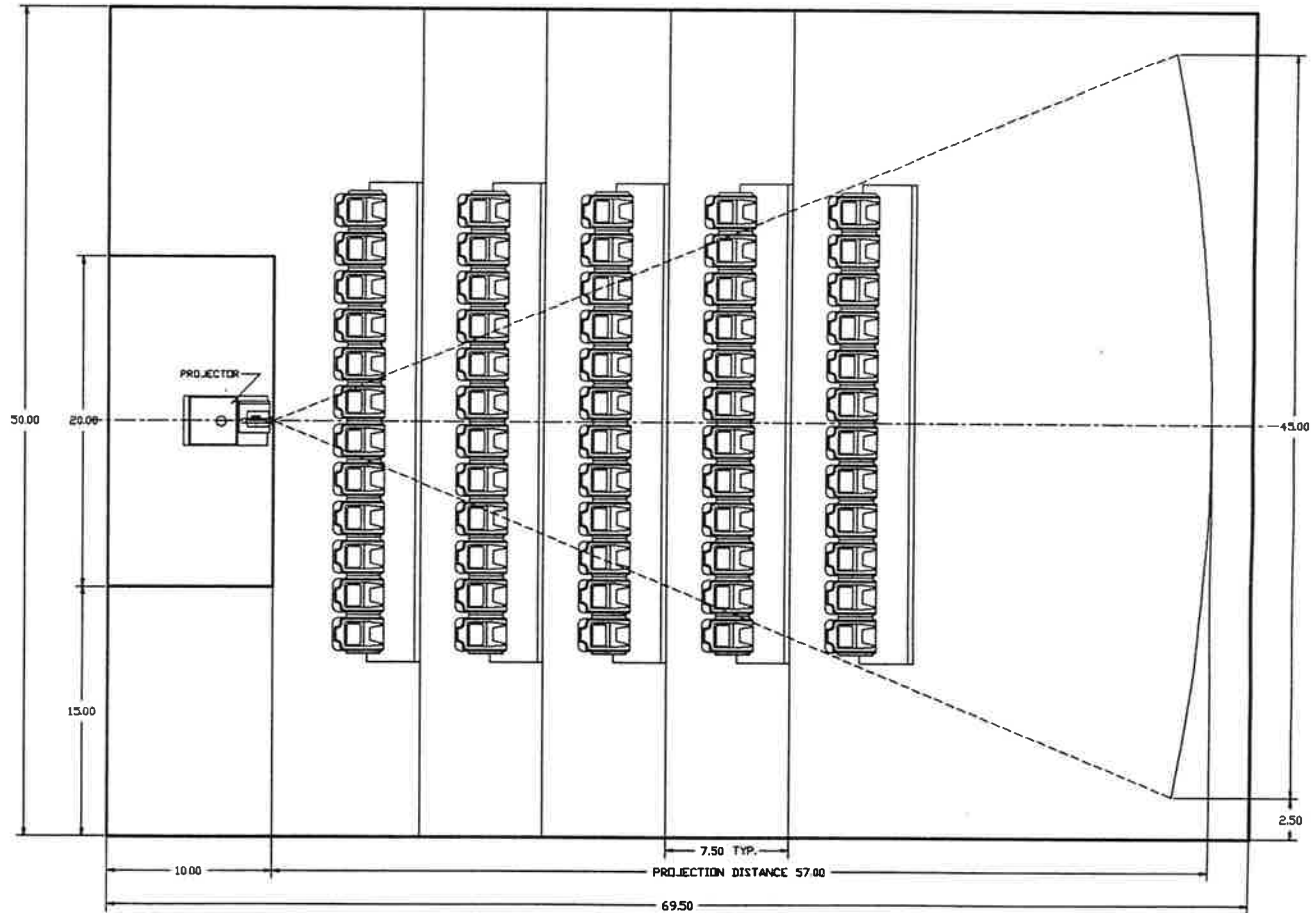
SIDE ELEVATION

OMNI FILMS International, Inc.

PRODUCT INFORMATION AND ENGINEERING DATA

"MOTION MASTER" TYPICAL 60-SEAT THEATER

SHEET: MM-003

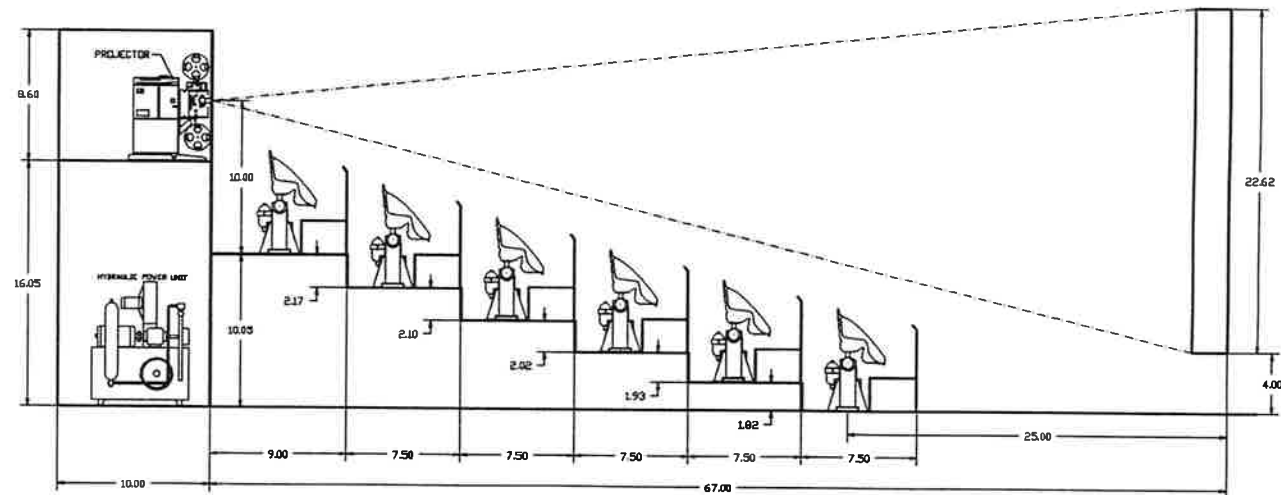


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PRODUCT INFORMATION AND ENGINEERING DATA

"MOTION MASTER" TYPICAL 72-SEAT THEATER

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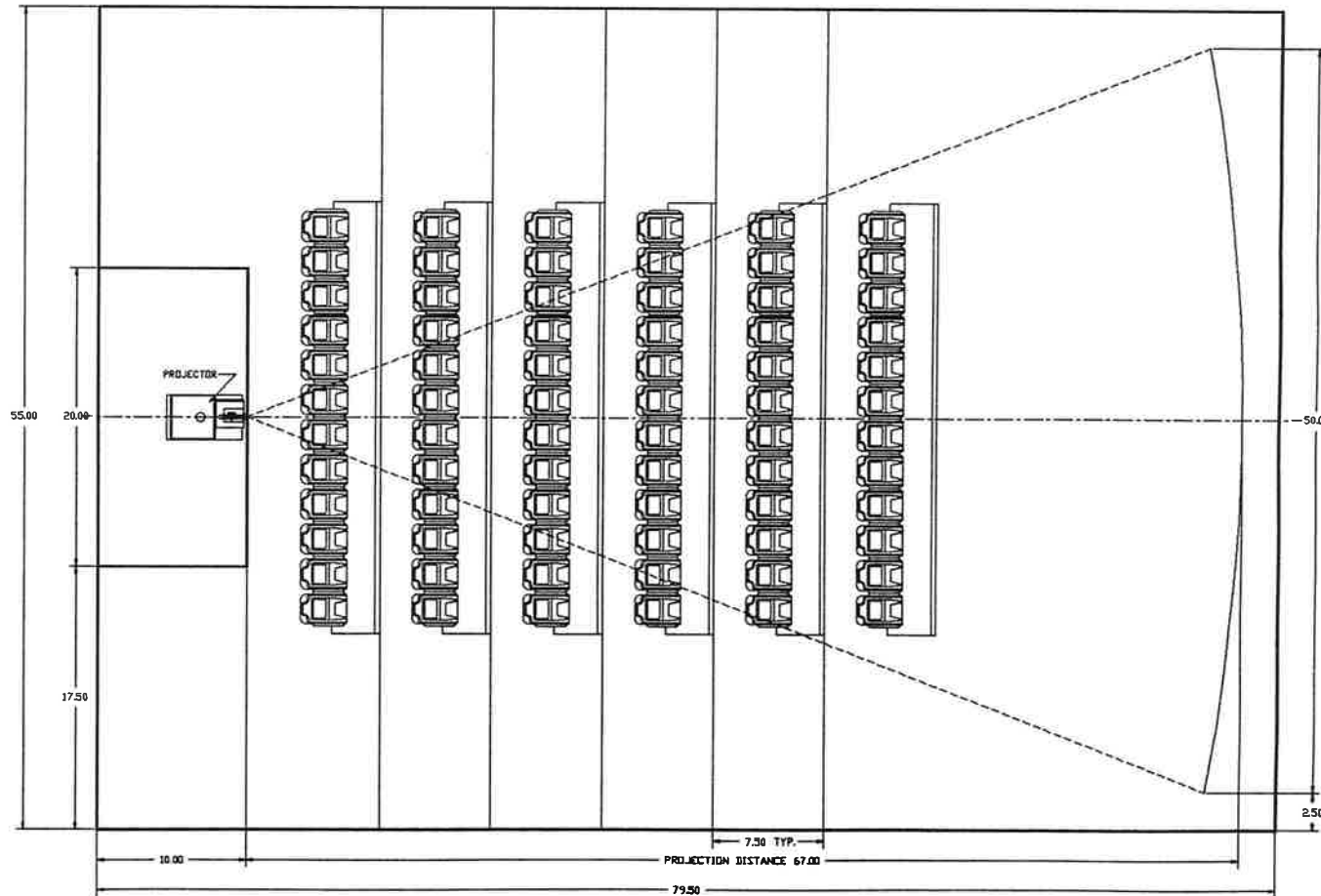


OMNI FILMS International, Inc.

PRODUCT INFORMATION AND ENGINEERING DATA

"MOTION MASTER" TYPICAL 72-SEAT THEATER

SHEET: MM-006



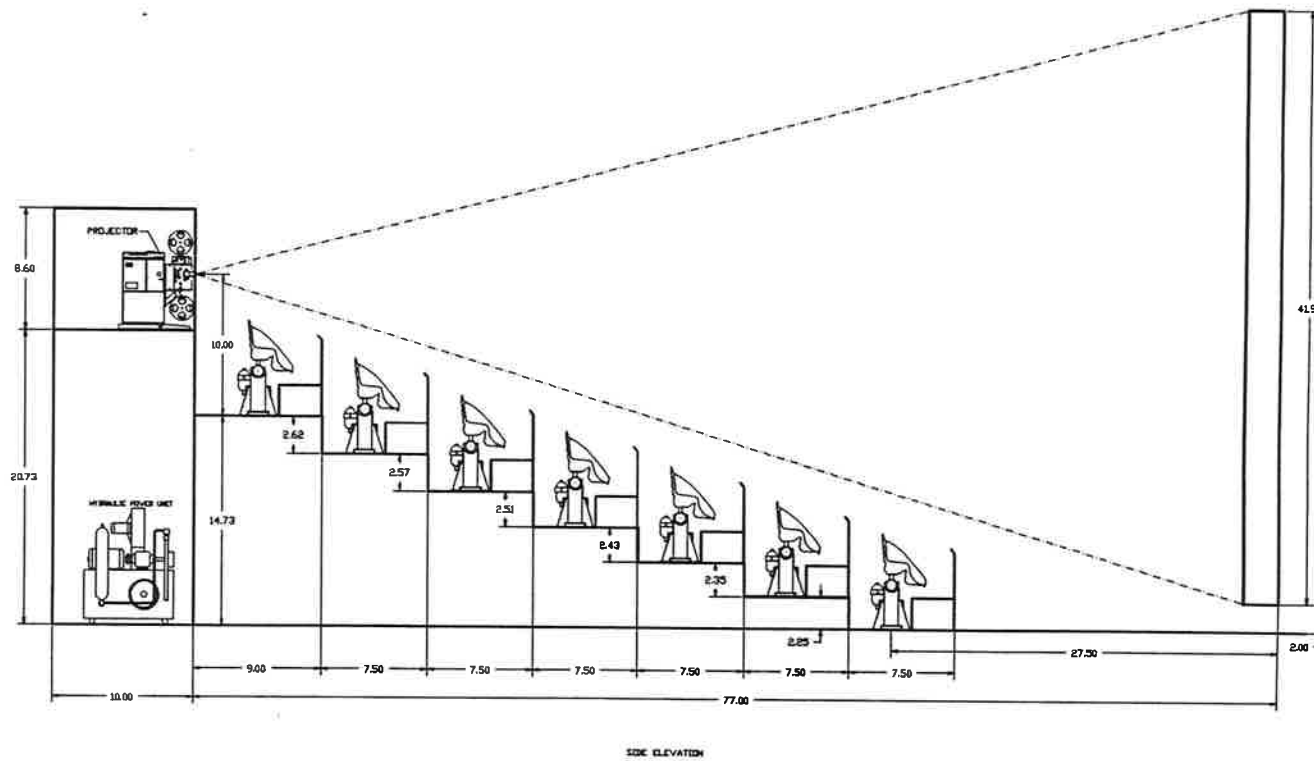
PLAN VIEW

OMNI FILMS International, Inc.

PRODUCT INFORMATION AND ENGINEERING DATA

"MOTION MASTER" TYPICAL 84-SEAT THEATER

SHEET: MM-007



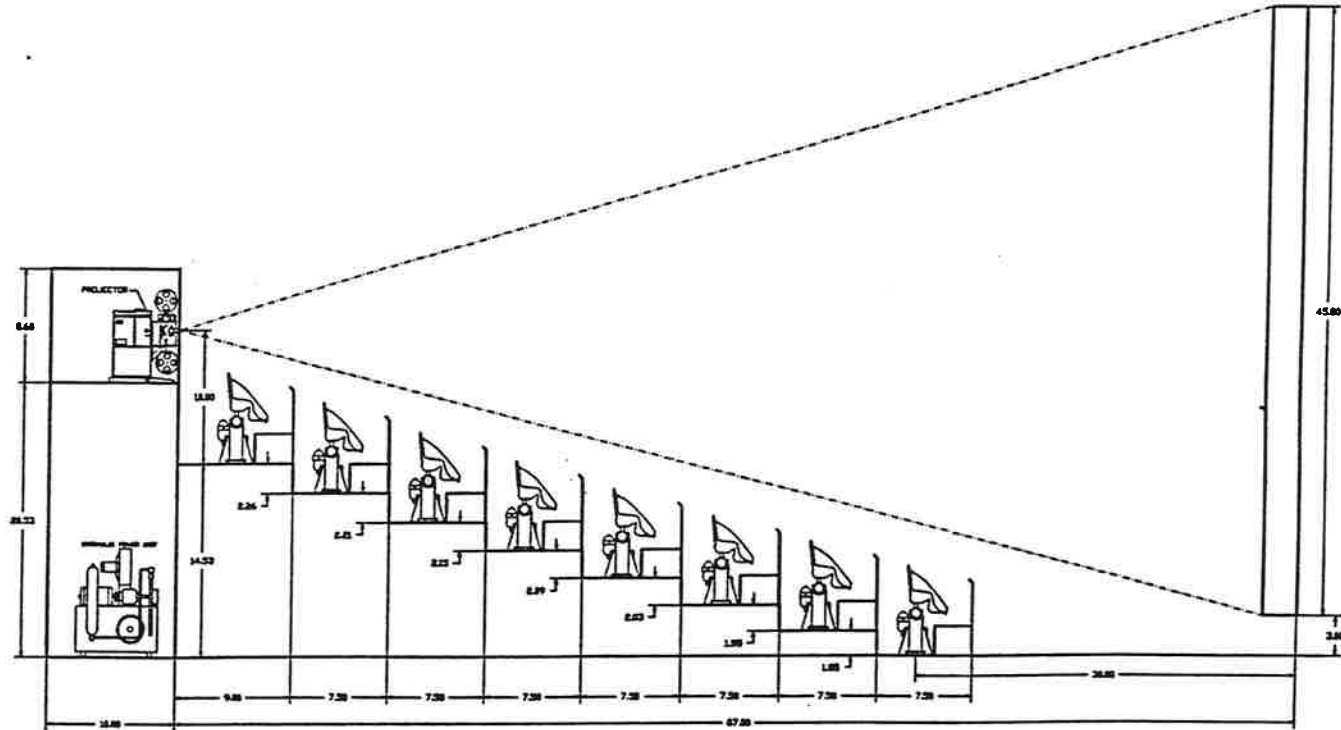
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PRODUCT INFORMATION AND ENGINEERING DATA

"MOTION MASTER" TYPICAL 96-SEAT THEATER

-SIDE ELEVATION-

SHEET: MM-021



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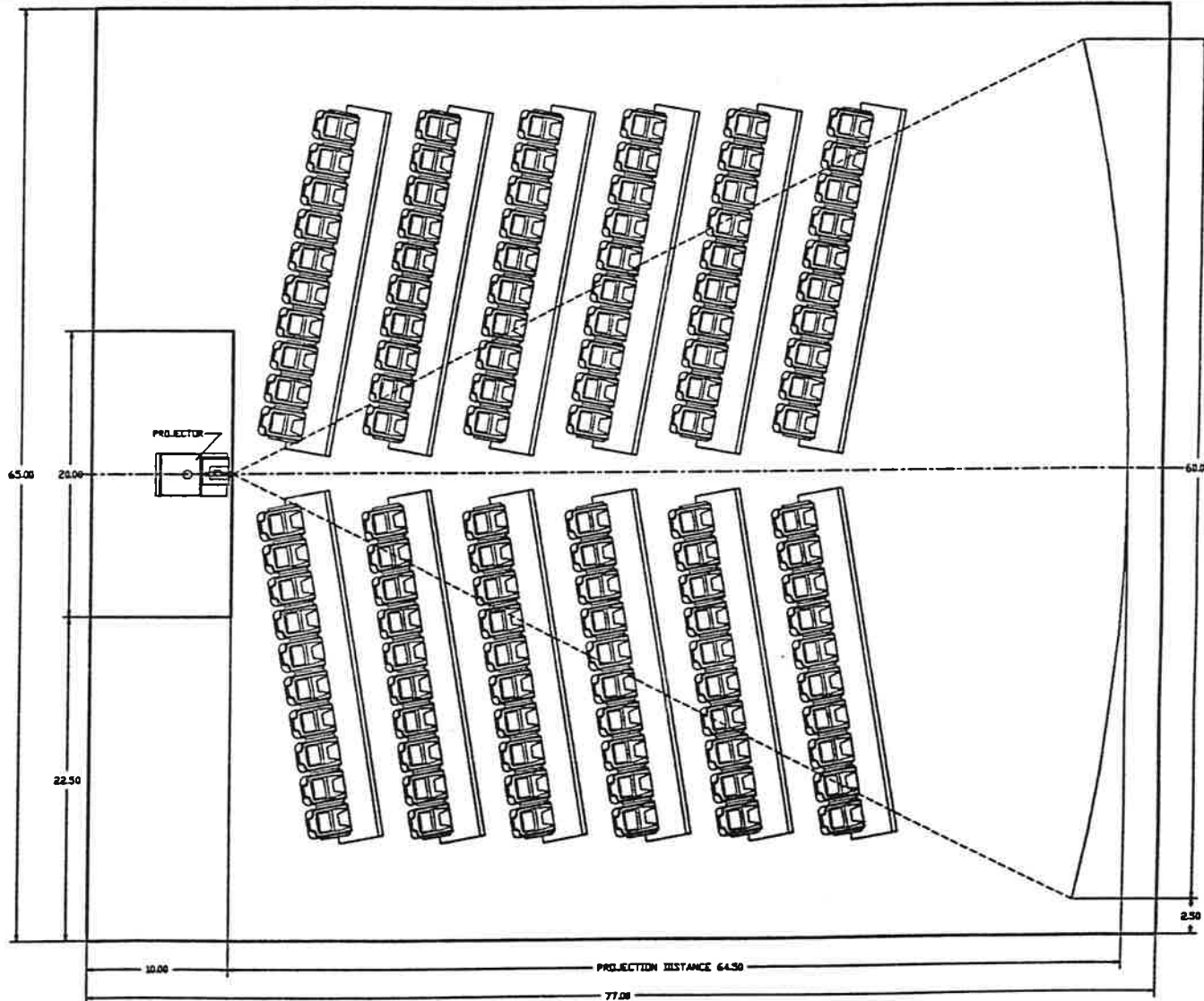
PRODUCT INFORMATION AND ENGINEERING DATA

"MOTION MASTER"

TYPICAL 120-SEAT THEATER

-PLAN VIEW-

SHEET: MM-018

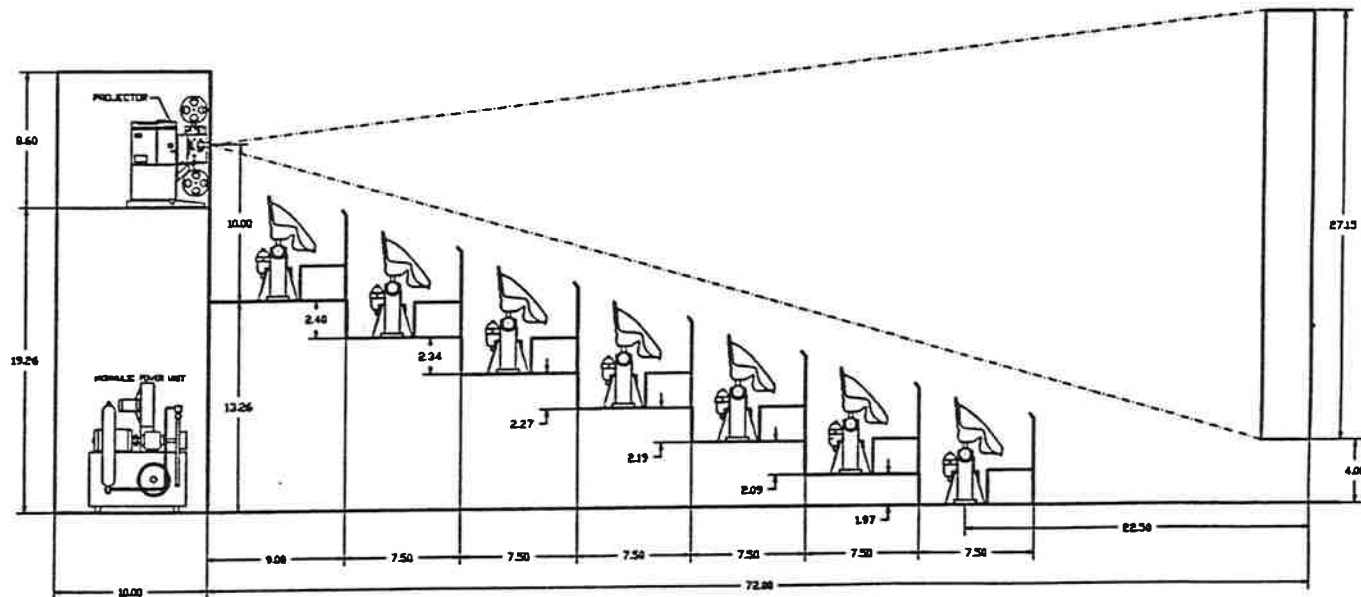


OMNI FILMS International, Inc.

PRODUCT INFORMATION AND ENGINEERING DATA

"MOTION MASTER" TYPICAL 140-SEAT THEATER -SIDE ELEVATION-

SHEET: MM-019



OMNI FILMS International, Inc.

PRODUCT INFORMATION AND ENGINEERING DATA

"MOTION MASTER"

TYPICAL 140-SEAT THEATER

-PLAN VIEW-

SHEET: MM-020

