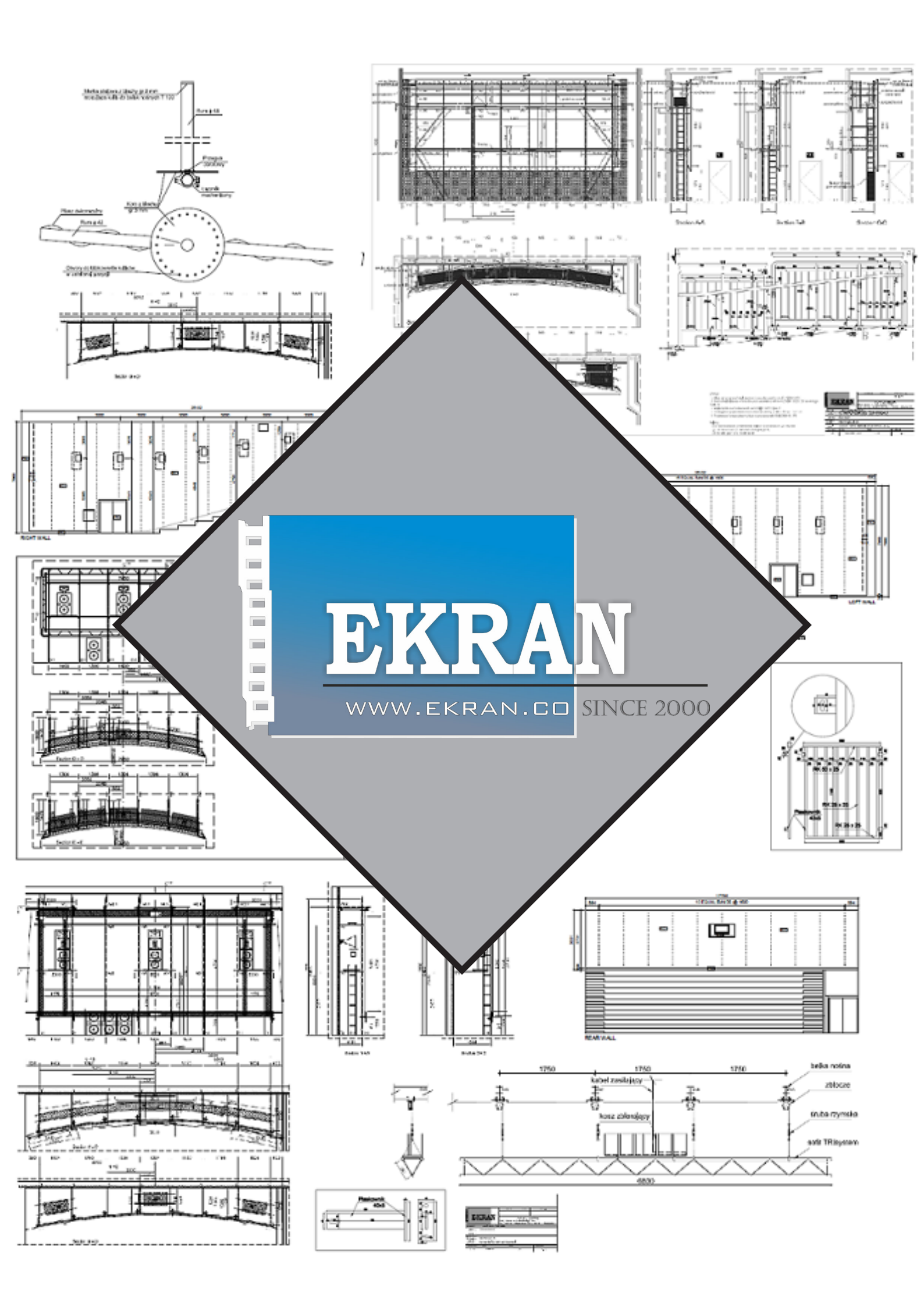
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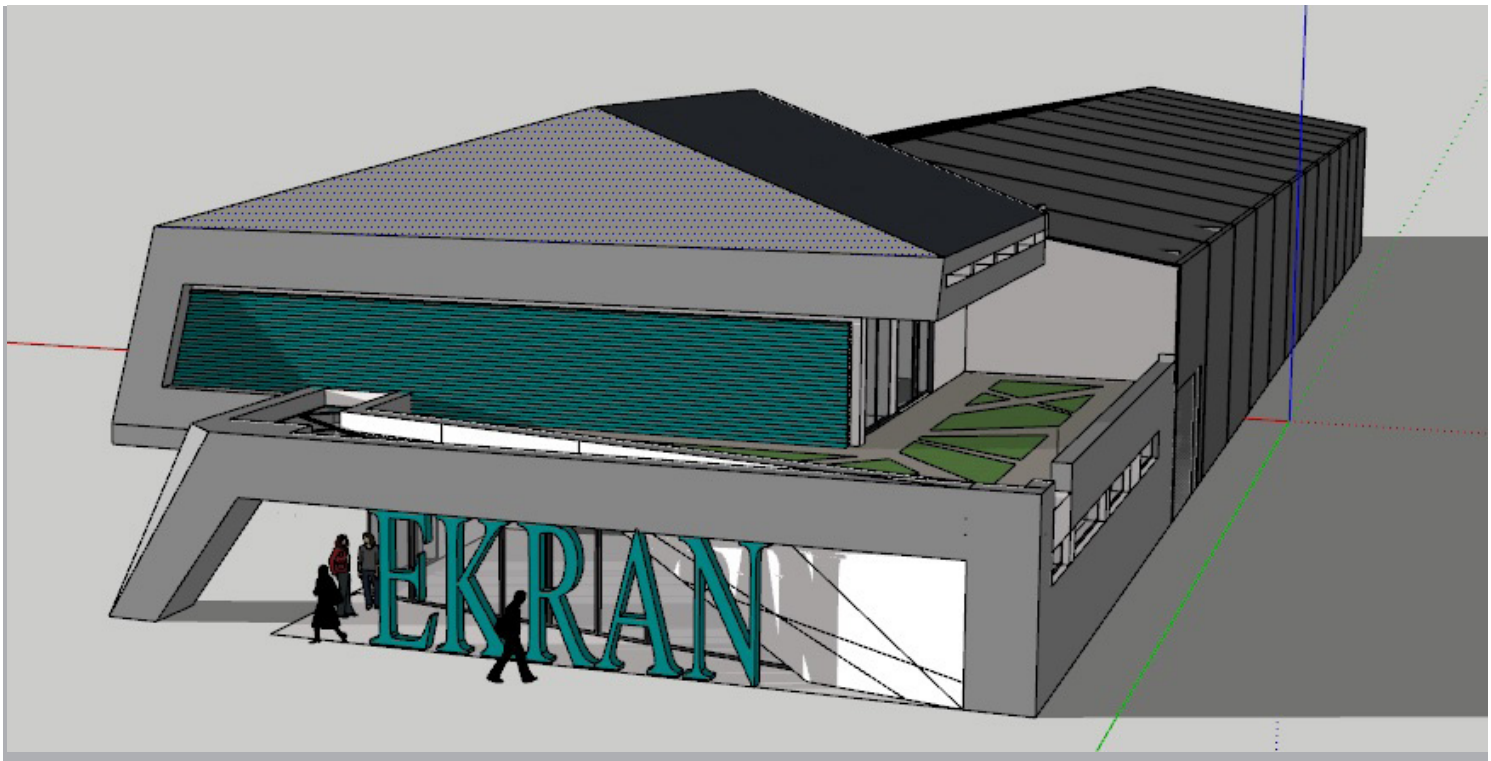
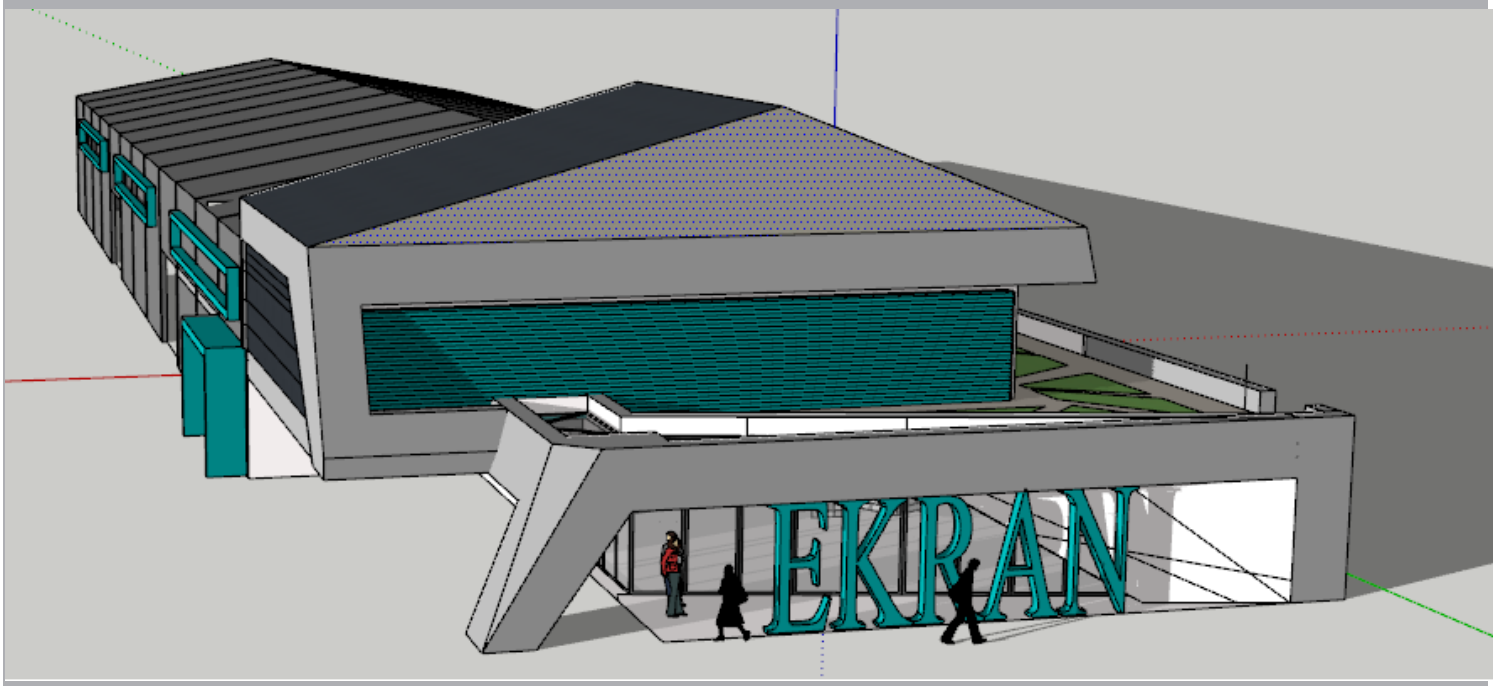


TO BECAME A REFERENCE POINT IN CINEMA INDUSTRY

EKRAN VISION



OUR HISTORY

Ekran was founded in 2000 by Mr. Maciej Lesniak in southern Poland. The company was established to fill a gap in the market for high quality products for cinemas, theaters, and cultural centers. Ekran also produces steel structures for the needs of residential, office, and public facilities.

Ekran has become recognizable in domestic markets by bring unique designs according to individual project requirements. With annual growth in terms of turnover and capacity we expanded into foreign markets with larger projects. Expansion and modernization of production contributed to obtaining the certificate of factory production control and welding certificates. Our employees are specials in the field of steel structures for the need of the cinema industry.

Our competencies:

1. A unique approach to each project
2. Technical support for the client
3. Flexibility and precision of execution in accordance with client requirements
4. High throughput
5. CAD support
6. Professional and experienced approach to each project
7. Industry experience

Over the last few years, we have established contacts with the largest cinema chains in Europe and Asia. With the continued cooperation with these companies we broadened our offer to related products within the industry. Our partners include cinema networks, audio-visual system integrators, and construction companies. We are a reference point for our clients, our solution are used in the design of new buildings as well as in renovations of older cinema facilities.

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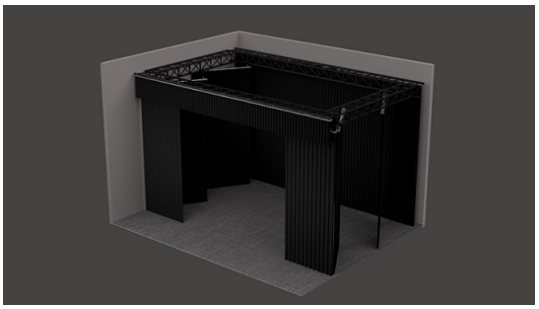

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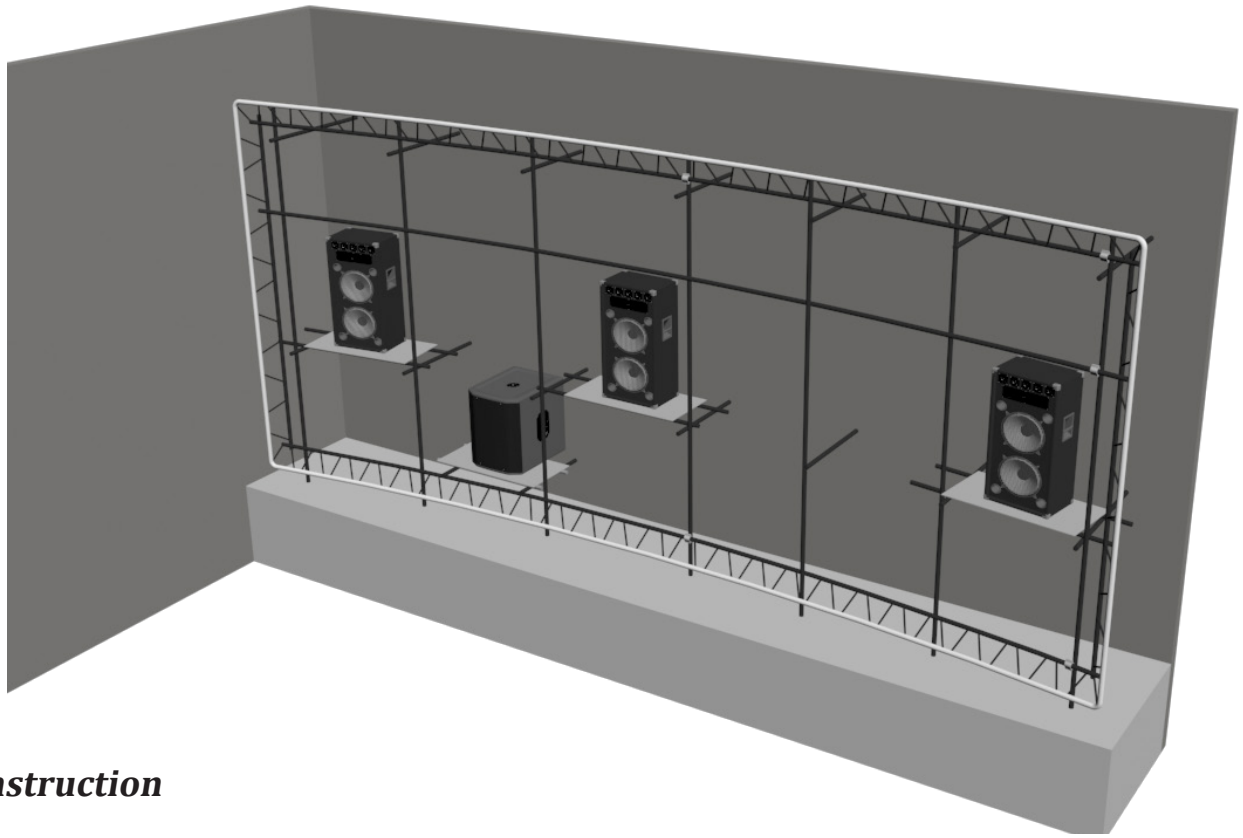
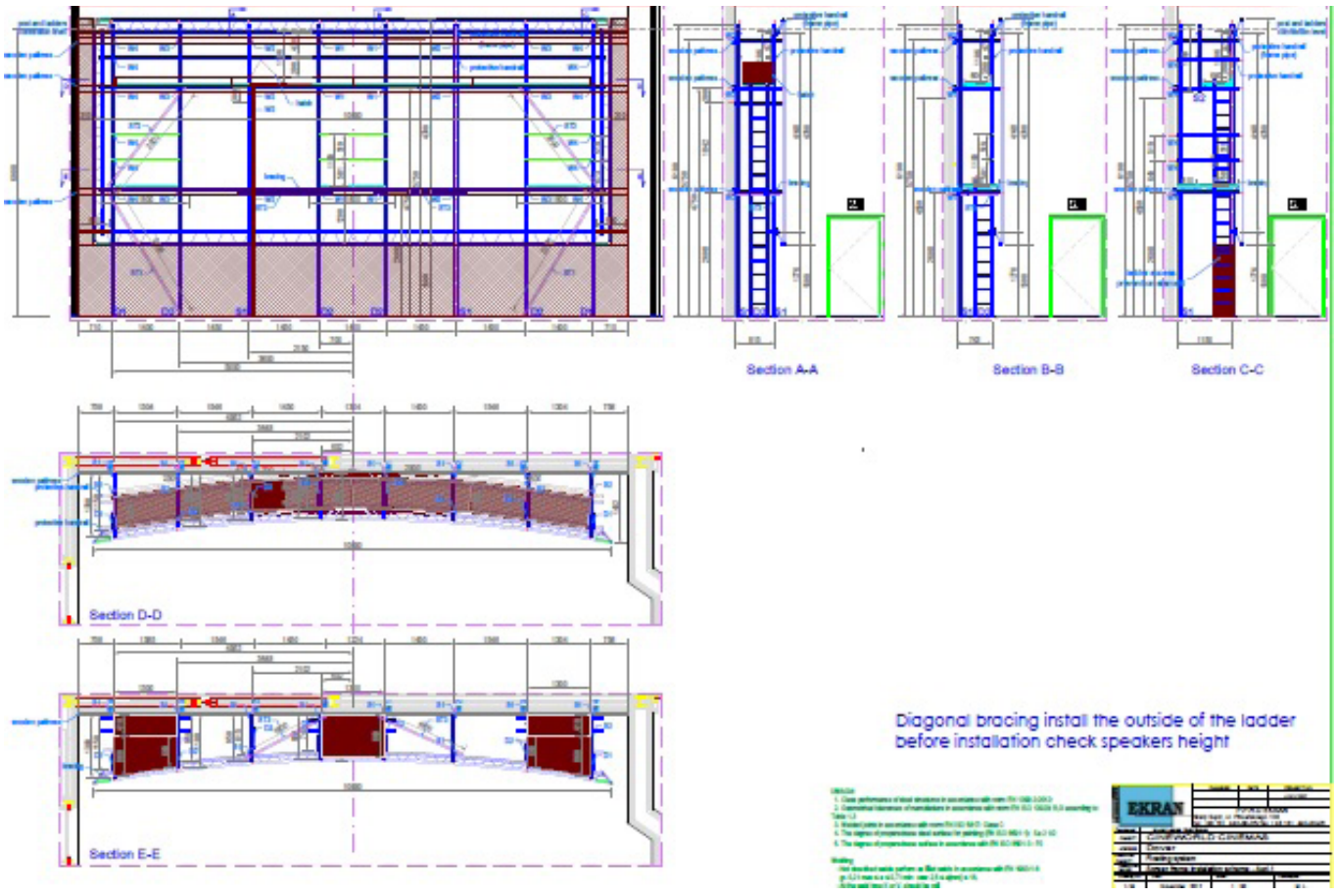


Construction

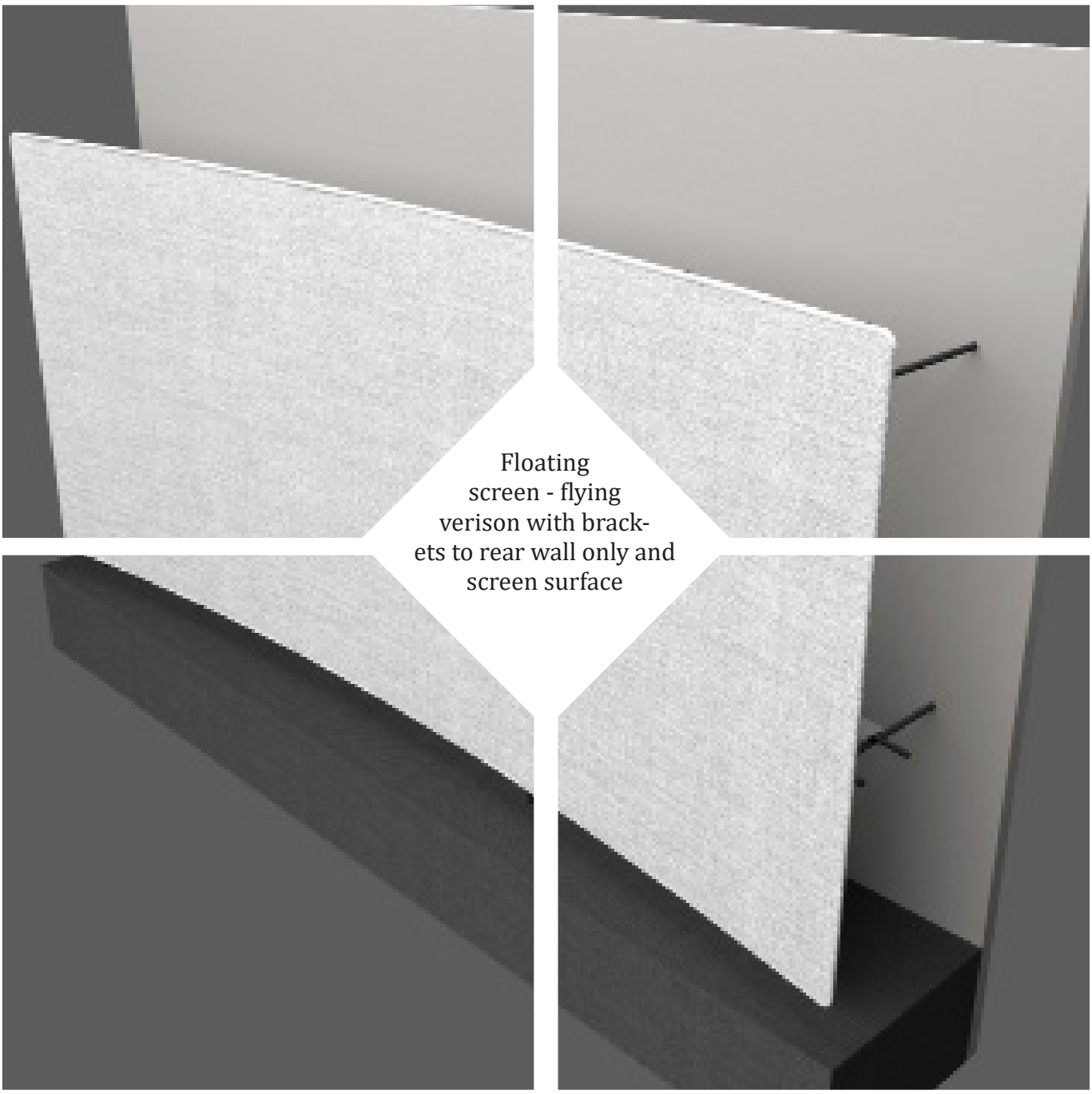
Screen frames are designed to adapt to each project speciffically. To produce it we use steel pipes and steel profiles. They are welded on production line. Apart from frame-shaped part we are adding verical and horizontal pipes to create structure to hold screen itself. Our vertical pipes are connected to floor and to wall behind screen to protect it from falling down. All elements are in parts and they are connected prefabricated juntors or self-tapping screws. Scren surface is wrapped around frame elements. It is most common product in modern cinemas. With this product we can use maximum space beetween walls and ceiling to put biggest screen for each auditorium. It is also esthetic as none of steel pipes for screen are not visible for audience. We are using mostly steel pipes with diameter of 48,3mm. To connect other elements to pipes we are using connectors with smaller dimater so

all connection points are not wisible and don't creates „steps" beetween them.

For speakers we are producing platforms on specific height. Mostly platforms are made by MDF or OSB plates. Usually we are adding 3 speaker plaftorms for centrer, right and left speaker. For Atmos frames we are adding two extra platforms on top left and right side of frame to meet requrements for Atmos rooms. If neccesarry we are adding also one more platform for Subwoofer when it cannt lay on floor. For maitenance we are providing ladders to each speaker platform. These elements are integrated part of screen frame and they are connected to wall behind screen by brackets. In specific situations, like baffle wall our screen frame doesn't include platforms, as they're on baffle wall and distance beetween frame and wall can we low as 150mm.



To allow maitenance on frame our standard is to install catwalk or installation bar above line of speaker. This solution is good for installation of screen surface and helps our service to fix issues on upper part of frame. We are providing 2 ladders on side of frame to reach catwalk. It is made by OSB plates painted black. Typical width of it is 400 or 600mm. Plates are going continiusly from on to other end of frame and connected to metal bars by self-tapping screws.



Floating
screen - flying
verison with brack-
ets to rear wall only and
screen surface

To protect our structure all parts are painted black with anti-corrosion primer. Important ist that we are not welding on site but we use mechanical connectors like cross-juntors, screws and anchors.

All elements of frame are packed in bundles, longest element have 6 linear meter lenght. This packaging method allows service to safety unload frame at side by forklift and distribute elements through cinema.

Additionally, when needed we are providing masking fabric to cover vertical pipes and sides from end of frame to side walls. This solution is very popular as audience sees just screen surface adn when screening - just the picture shown. Our masking elements are made by fabric Trevira CS with anti-flammable certificate. All parts are sewed on production and delivered as ready parts to install.

Lead time

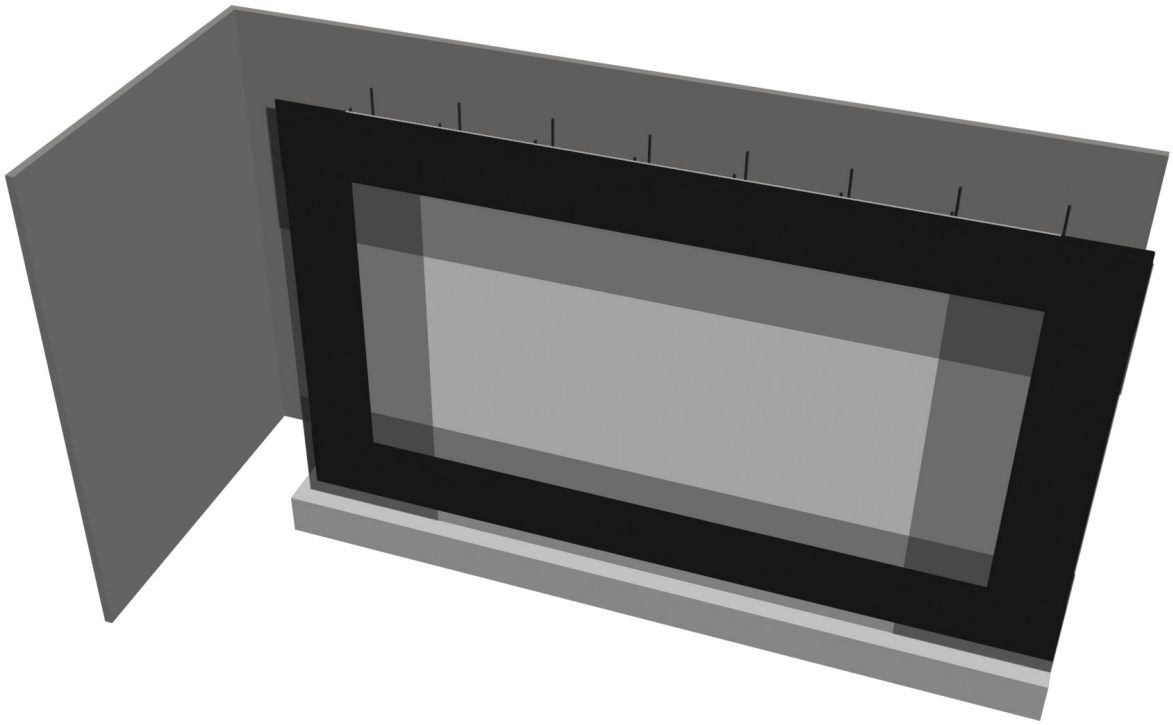
Our standard procedure with new project ist o recieve information for new auditoria. We are providing ready-list to be filled in by client. With informations we appriciate also constructional drawings of cinema and each auditorium. With this base we are creating offer and when it's accepted all data are going to technical department. Their job is to draw frames in Autocad software with front, side and top view with all elements. This part is very important for production and client. Technical deptartment is calculating needed quantity of mounting points basing on total load oft he frame and then distribute them thoroghly onto the whole surface of the back wall to distribute the load evenly. All ajdustments or additional elements are visible on drawings. When ready we are sending them to client and waiting for feedback. When accepted all shop drawings are reaching production line. Usually production time for one complete screen frame is one working day. Ready parts are placed on bundles and pallets and covered to protect them from enviroment. All fixing elements are packed in boxes as well as drawings.

Service/installation

Our company provide installation service for our Cients. This service is important for both parties as we and client have 100% guarantee over product. On settled date our crew is on site. Our team members are trained to do installation and highly skilled in resolve problems. They have all neccesarry equpment to work on height and all tools. Our usual tools that we use to perform the installation are electromechanical handheld tools powered by 230V voltage or batteries. These are mostly screwdrivers, grinders, cutters etc. We start the installation with placing vertical posts and mounting them to the back wall with brackets. Also speaker platforms and walkways are placed. Then we install the frame, attaching it to vertical posts using mechanical crossjunctors. We place the speakers on the frame and install the projection surface. No welding is done on site. Usually it takes from 1 to 2 days to install a wrap-around frame.

SCREEN FRAMES

MASKING SCREEN FRAMES



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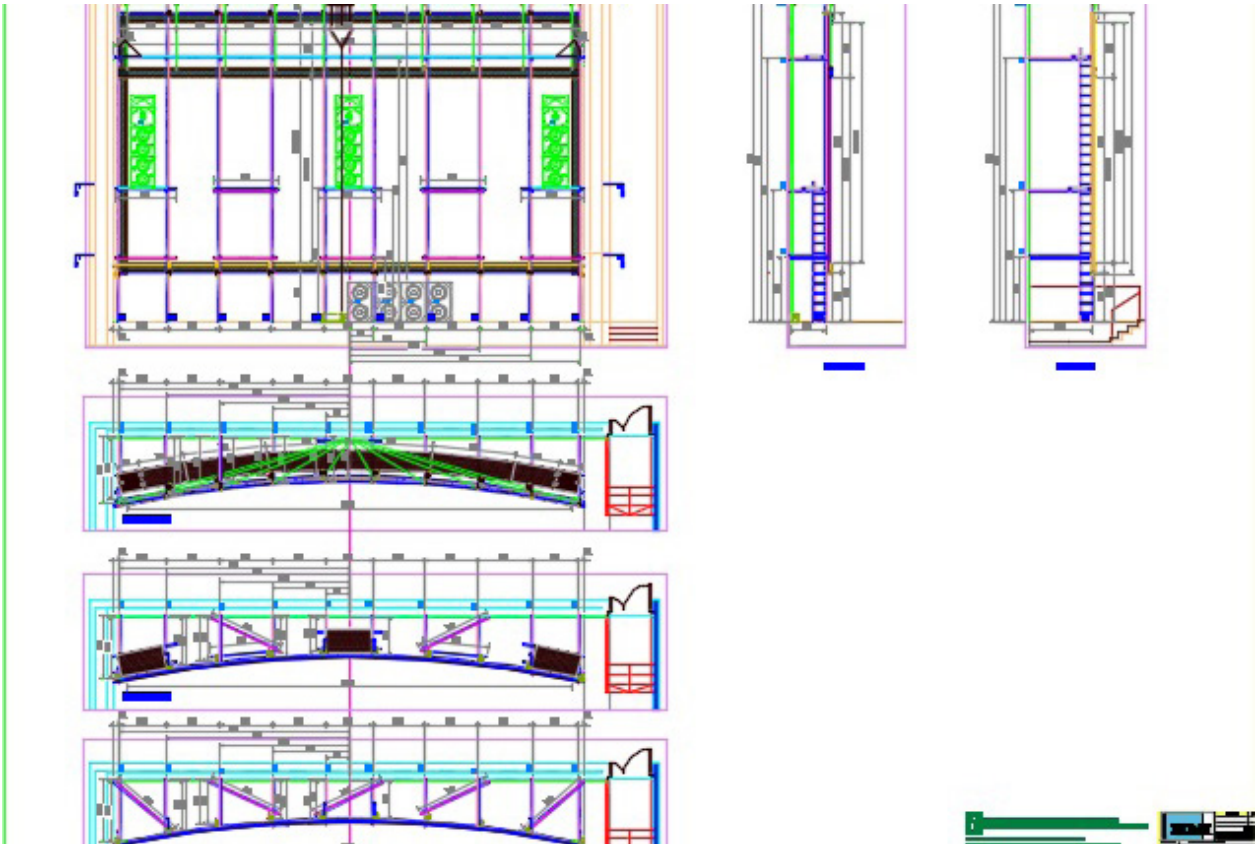

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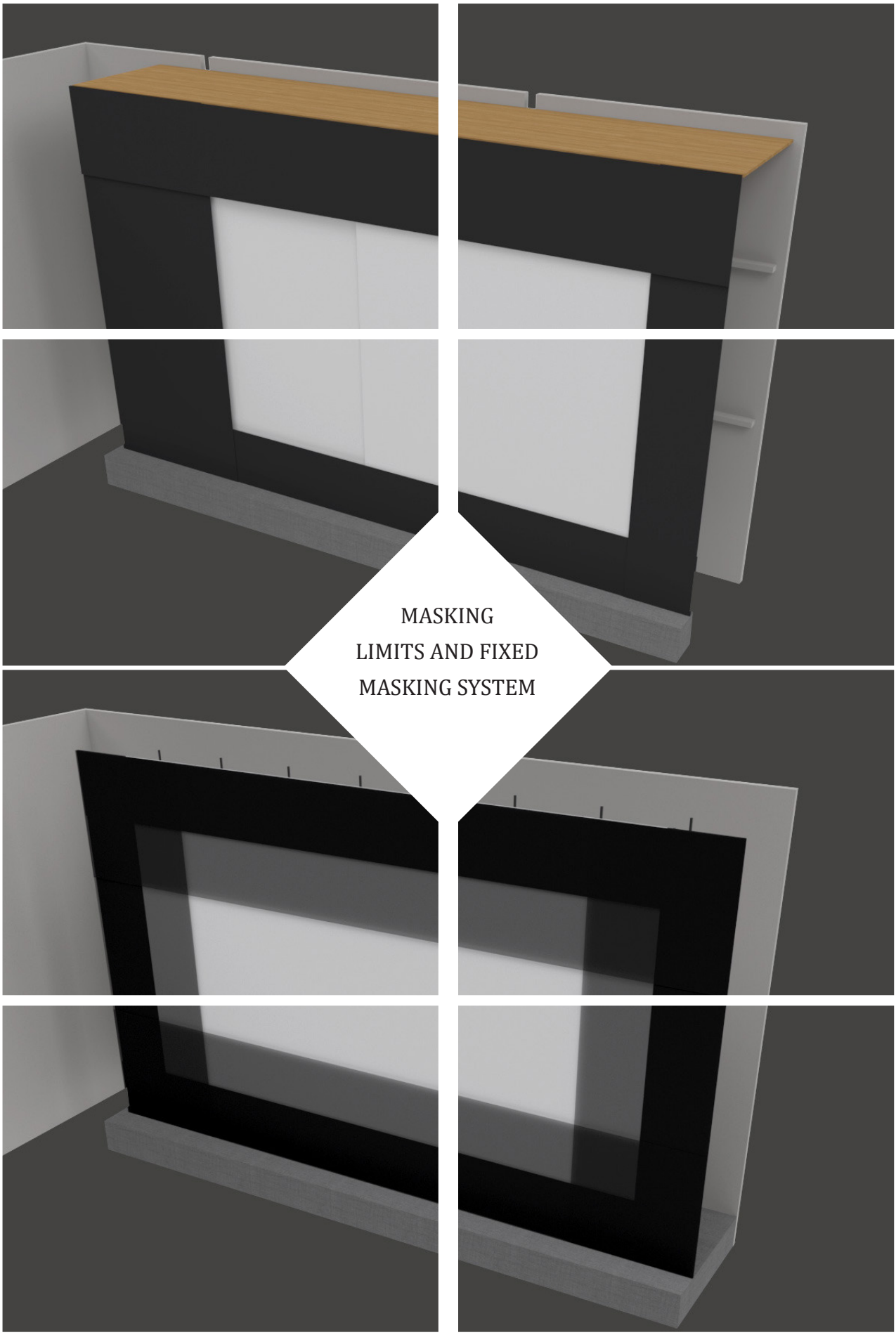

MASKING LIMITS AND FIXED MASKING SYSTEM

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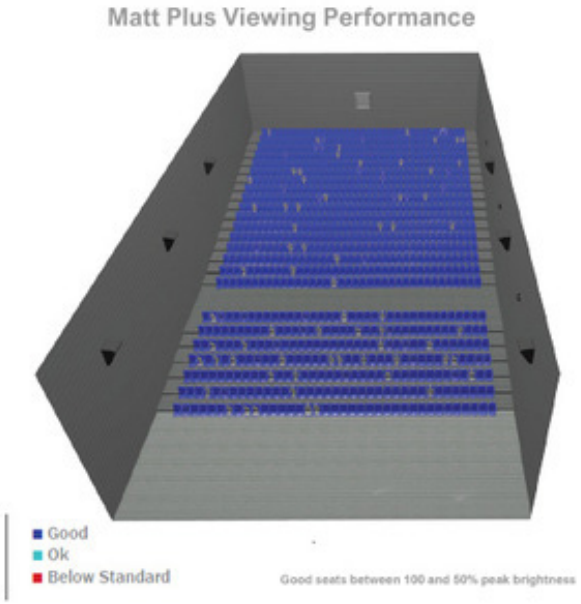
SCREEN SURFACES

Ekran provides screen sheets for our frames. We are closely cooperating with Harkness Screens and we are offering their products. We can arrange complex order and delivery of surfaces on cinema. Ekran offers also support over screen surface isues. With our experience we can suggest best surface for you reqiurements. All of surfaces are packed in strong tubes so we guarantee deliveries in superb conditions on your cinema. Installation of screen sheets are part of our service while installing our screen frames. Our customers can choose from big range of offer of different screens.

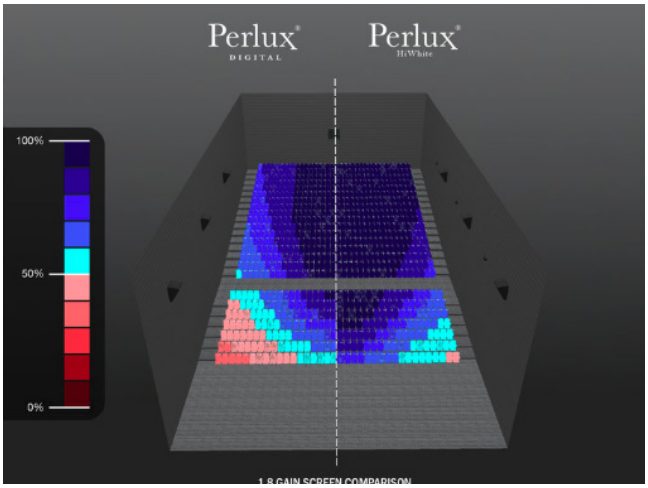
Matt Plus

Suitable for 2D screenings. It is a versatile surface generally in dark conditions. It is providing wide viewing angle, high contrast, bright picture and excellent colour temperature. Size is adjusted by screen frame dimesions. Can be done with standard-, mini- or micro-perforation. Typical edge finish is web and eyelets every 200mm. Basic gain is 1.0. It is packed into cardboard tube to prevent damage or creases.



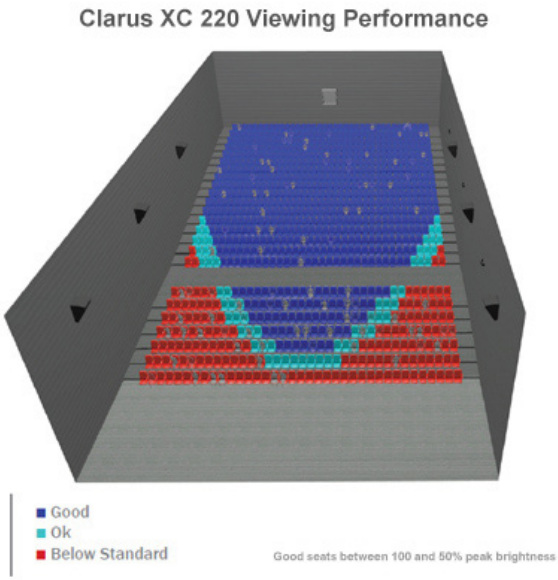
Perlux Digital

Best for 2S and active 3D screens. It is most popular 2D front projection surfaces, reflect more light back to the audience than matt white surfaces, and are available in 3 gain levels (1.4, 1.8, and 2.2). Producer recommends Perlux screens for digital cinema auditoriums because they can reduce digital operating costs by enabling reduced power consumption, smaller lamps, and less frequent lamp replacements. Perlux screens are also ideal for use with laser projection enabling laser projectors to be operated at lower power levels, elongating maximum light output from the projector for the longest possible period of time. Maximum size of screen sheet is 41 x 16m. It is having two options of perfo-



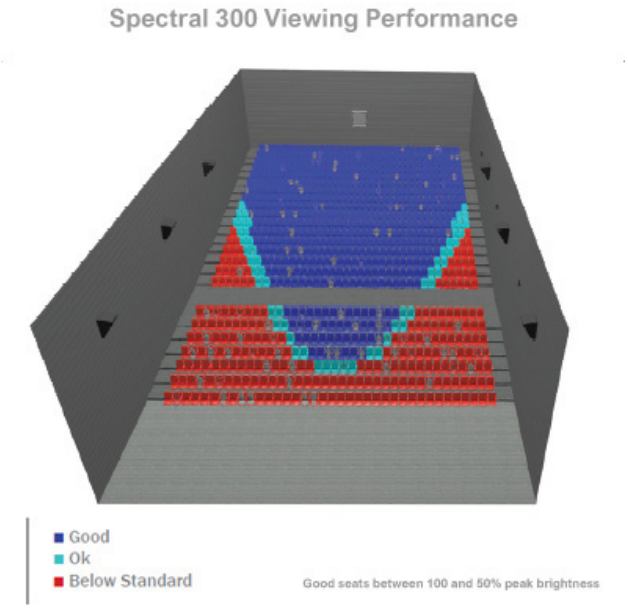
Clarus XC

2D and 3D polarized screens. Designed to work with all passive 3D systems and approved by 3D manufacturers including RealD, Clarus XC screens create visibly deeper 3D content which is designed to draw in the audience creating a more captivating viewing experience. A whiter look under projection mean that colours look visibly richer and more accurate both in 2D and 3D resulting in a more defined, sharper and crisper picture. Clarus XC technology is available in four different gain levels, 1.7, 2.2 and 2.7 designed to suit all cinema environments from small screening rooms through to large format theaters. Maximum size of sheet is 41 x 16m. t is having two options of perforation: standard and mini. Typical edge finish is web and eyelets every 200mm.



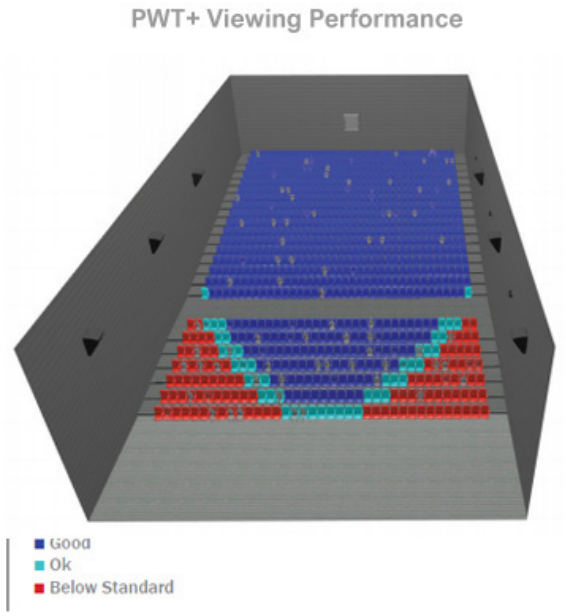
Spectral

Polarized 3D screens. To provide the optimum 3D projection surface for “passive” 3D balancing applications using polarized light. Designed to work with all passive 3D systems and approved by leading 3D manufacturers including RealD, MasterImage and Volfoni Spectral screens have been the choice of cinema exhibitors. Available in 2 gain levels, 2.4 and 3.0, to help mitigate some of the significant light losses experienced from 3D projection, Spectral also performs well under 2D conditions. Silver aluminium flake based coating applied to the unique base material provides high gain characteristics, strong signal to noise ratios, generous viewing angles and excellent colour temperature. Available in two perforations: standard and mini. Typical edge finish is web and eyelets every 200mm.



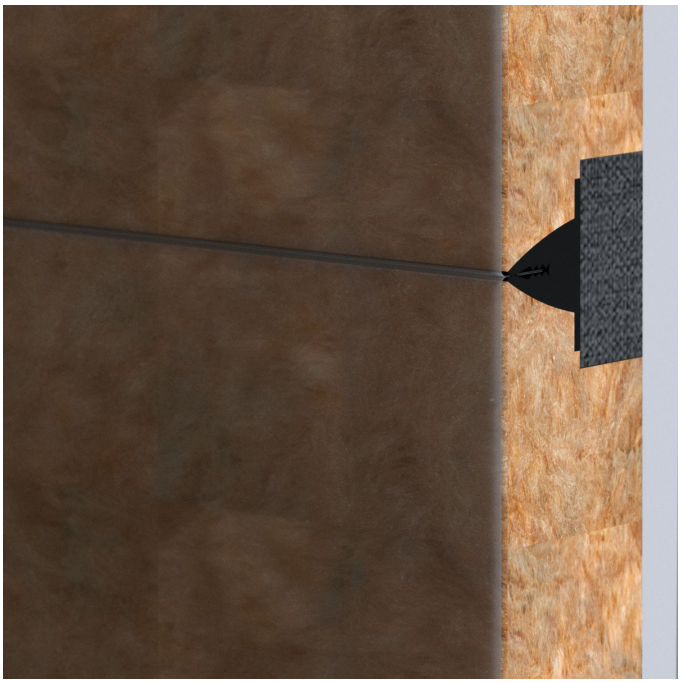
Precision White by RealD

Exclusive 3D screens. Available exclusively for RealD 3D customers utilizing RealD 3D Cinema Systems, Precision White Screen technology is used for cinema projection and combines 2D white screen performance with the ability to project polarized 3D images. Designed to deliver enhanced 2D and 3D presentations with wide viewing angles similar to white screens of equivalent gain, Precision White Screen technology features edges substantially brighter than a standard silver screen. The improved screen efficiency results in 40% more total light coming off the screen, providing more uniform brightness than a standard silver screen. Precision White Screens also feature a smooth, white surface, which generates better image contrast for improved image quality in 2D and 3D. Gain levels are 1.4 and 2.0. Maximum size of screen is 33 x 14m with standard and mini-perforation options. Typical edge finish is web and eyelets every 200mm.



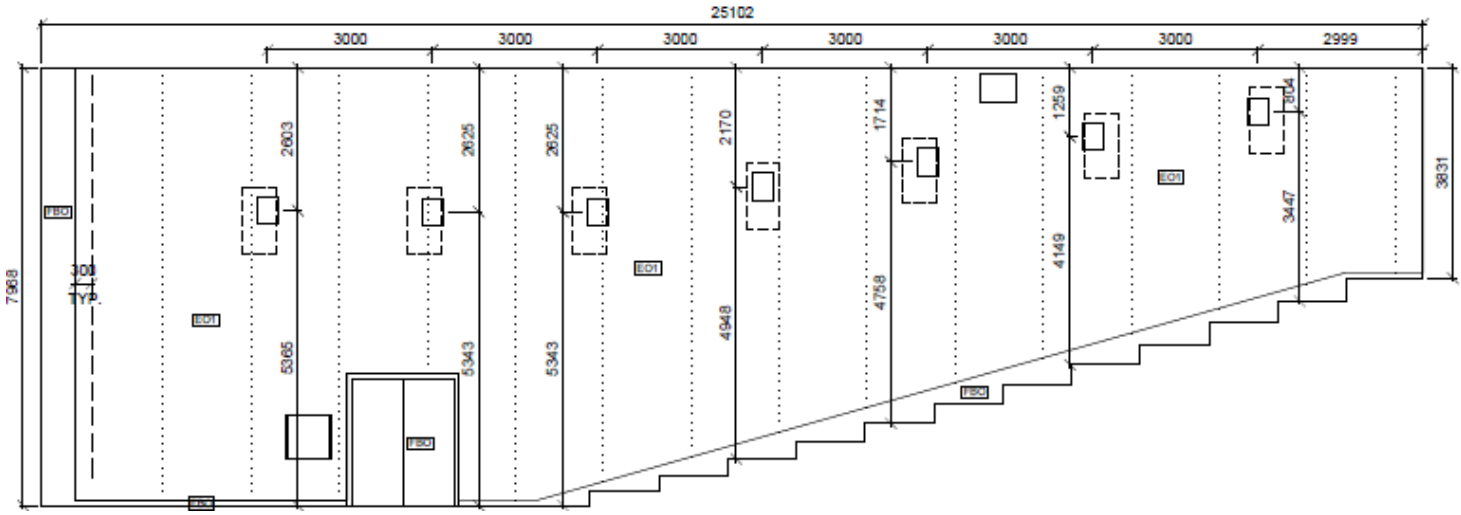
ACOUSTICAL TREATMENT

WALL ACOUSTIC TREATMENT



EKRAN provides complex offer over acoustical treatment on auditoriums, theater halls and convencion cetres. With over 18 years of experience we can provide and execute installation of varoius systems that will meet client's requirements. Company is focused on acoustical insulation on walls, ceilig and wall behind screen frame. Offered system is standard finishing product for cinemas used in majority of cienemas all over the world.

The construction and physical qualities oft he acoustic core oft he system are tailored th the parameters determined in the biulding acoustic design. This parameter is regulated in cinema halls by changing proportions between the amount of reflected sound and the amount of sound absorbed through the system of acoustic treatment.



Construction

Treatment is done onsite, using ready to mount elements. The system contruction is complsed of wooden elements treated by fireproof impregnate and plastic profiles to hold fabric. Spaces between profiles are filled with sound absorbing material which build acoustic core of the system. Panels between plastic profiles are finished by fabric, trevira CS in standard RAL colours. The fabrics are cleaned by vacuuming, while system panels are repaired easily by easy and quick replacement of damaged fabrics. The system construction also allows to place elements of lighting and sound system within its panels, as well as some decorations, such as LED lighting strips.

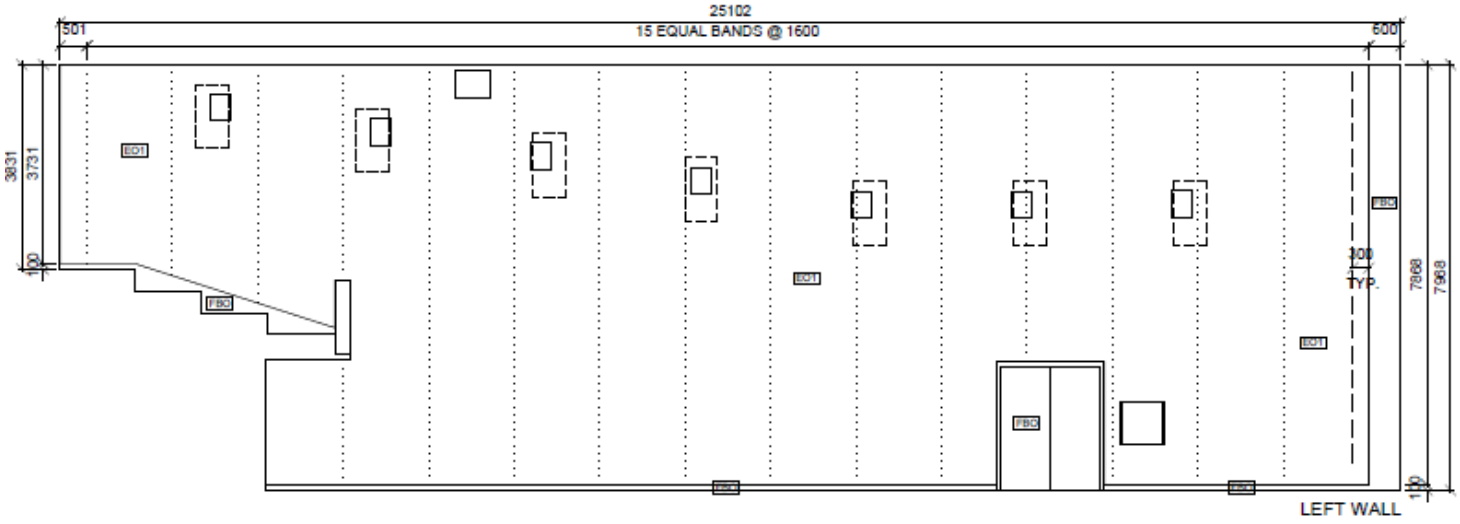
The external look of the wall treatment system may easily be modeled, tailoring it to the vision of the designer and to the architecture of cinema hall walls. There are various mounting tracks available, as well as fabrics in different colors, thus allowing us to create any arrangements and patterns we wish using appropriate configuration of particular system panels. What is more, the system may also be used to model the areas of cinema halls in line with architectural needs, by offering the possibility of choosing the thickness of panels and their distance from the walls.

With multilpe versions of profiles designer can provide varoius models, signs on walls (logo) and lots of additional equipment which is interesting for audience. Together with wall treatmentEkran is providing wooden suppoert for speakers and lightning on walls. Those might be visible or hidden under fabric (if there is enough space to raw wall).

23

Lead time

With work drawings our team is mounting wooden slabs to existing walls in vertical or horizontal lines. Plastic profile is mounted on top of wood by stamples. Space beetween panels is fiiled up by acoustical insulation material. It is connected to wall by fixing elements and glue. Final surface is fabric streched from profile to profile. Installation is fast and looks esthetic. There is no need to put extra plinths to cover edges as system is esthetic at the corners.



ACOUSTICAL TREATMENT

WALL CARPET
SUSPENDED ACOUSTIC CEILING

Wall carpet

For bottom parts of each auditorium Ekran is providing wall carpet. It is available in varoius colours, easy to cut and install. It is most safe material to use by floor. It is mostly used in places with greater exposure to damage caused by higher intensity traffic of guests. It is also used in halls whose dimensions do not allow for the standard system of wall treatment. A place where both criteria are met are communication vestibules of cinema halls. The wall fitted carpet is also used on cinema hall walls, fitting it from the floor level to the desired height, below the system of wall treatment.

Apart from its protective function, wall fitted carpet also works as acoustic absorber. It has a high coefficient of absorbing sound waves, reducing the reverbation time of the room. Unique composition of fiber makes the wall fitted carpet soft and flexible, but strong at the same time. It shows high resistance to direct contact, such as being hit, rubbed or dented.

The surface of the carpet has self-healing properties, masking scratches, cracks, dents or thickened areas. It does not quickly undergo textile degradation processes such as pilling, tangling, fraying, or delaminating. Despite the passage of time, the wall fitted carpet preserves its original color, showing additional high resistance to stains and dirt. It is resistant to mould and has a fire-proof certificate. g walls in vertical or horizontal lines. Plastic profile is mounted on top of wood by stamples. Space beetween panels is fiiled up by acoustical insulation material. It is connected to wall by fixing elements and glue. Final surface is fabric streched from profile to profile. Installation is fast and looks esthetic. There is no need to put extra plinths to cover edges as system is esthetic at the corners.

Suspended acoustic ceiling

Suspended acoustic ceilings are of vital importance when building the interior acoustic environment. Their main task is to improve acoustic comfort through sound absorption and strengthening acoustic insulation of a particular room.

A modular suspended ceiling is a visible, esthetic outer layer of ceiling finishing, covering all technical installations, such as air conditioning and air ventilation appliances or sprinklers. The ceiling construction provides easy access to all devices above it. The system may be mounted to all types of ceiling constructions. The system of modular ceiling consists of steel carrying construction, suspended to the ceiling at a required height and the filling in form of mineral panels. The construction is light, but strong and ensuring appropriate load capacity. The ceiling is kept clean by vacuum-cleaning panels, while damaged places are repaired by easy and quick replacement of particular panels. The ceiling has high thermal insulation and resistance to relative humidity, and all system elements have fire-proof certificates.

In order to meet special needs of cinema halls, appropriate systems of suspended ceilings are produced, featuring smooth, matt surface which does not reflect light. Standard panels are black, although it is possible to order panels in different color from the available color palette.

The carrying construction grid is tailored to meet the specific needs of a client and panels may be of square or rectangular shapes. Standard size of ceiling panels is 600x600mm or 1200x600mm. It is also possible to make the ceiling with totally invisible carrying construction, achieving spectacular effect of monolith smooth surface.

STEEL CONSTRUCTIONS

BALUSTRADES, HANDRAILS, SUPPORTING AND DECORATIVE STRUCTURES

BALUSTRADES

Our production and installation capacity allows us to offer complex supply of various steel balustrades for all kinds of large size housing and public utility buildings, such as shopping malls and centers, office and apartment buildings. We have successfully manufactured and installed balustrades of total length measured in tens of kilometers. We also supply untypical fencing systems, made to order.

We also specialize in manufacturing balustrades for cinemas, theaters and other culture centers. We are well acquainted with the specificity and purpose of such buildings, which demand each time an individual approach, adjusting of the construction to design requirements and the highest quality of craftsmanship. All our realizations has met the above criteria.

The balustrades we supply are manufactured to the architectural designs to which there are no limits set by us. We are able to implement the boldest designs, strictly following the architect's vision. We also have our own balustrade designs, so we can offer our help and expertise in choosing the most suitable constructions for a particular type of building.

All our balustrades are made of high quality black or stainless steel. Balustrades made of black steel can be subjected to processes of hot-dip galvanizing and powder coating in any standard RAL color. Balustrades made of stainless steel can be subjected to processes of grinding or polishing. We also produce balustrades with hardened glass filling.

HANDRAILS

We produce various handrails and low balustrades in places where full balustrades cannot be used or installed. These places usually are: low fencing walls, staircases and communication passages or, in case of cinema halls, sloping walls separating the proper area of the cinema hall from its entrance.

As with balustrades manufactured by our company, we make handrails to designs provided by our clients or to one of typical patterns proposed by us. Handrails can be made of black or stainless steel. Elements made of black steel can be subjected to processes of hot-dip galvanizing powder coating in any standard RAL color. Handrails made of stainless steel can be subjected to processes of grinding or polishing.

SUPPORTING AND DECORATIVE STRUCTURES

We specialize in producing various supporting steel elements which additionally perform a decorative function. We also manufacture typically decorative elements. Our rich experience in producing supporting structures for the cinema and theater industry allows us to make sure that all technical equipment, including sound and light elements, will be stable, installed in a proper place, while preserving the esthetics and appearance of an event hall.

Decorative supporting elements are also widely used outside event halls. Perfect places for installing such structures are, for example, halls and foyers of cinema and theater buildings, as well as all corridors or exposed walls of any rooms that gather visitors. These structures may contain various advertising material, posters, television displays, etc. Moreover, sound or light platforms or trusses can be used in various open air events.

We are able to produce any custom designed structures, preserving the highest quality of performance and detail. We have completed a number of installations confirming our finest craftsmanship. Additionally, we provide support and expertise in construction of supporting structures, making sure each time that such elements will be strong enough for anticipated loads.

Structures can be made of black or stainless steel. Structures made of black steel can be subjected to processes of hot-dip galvanizing or powder coating in any standard RAL color. Structures made of stainless steel can be subjected to processes of grinding or polishing.

STAGE TECHNOLOGY

STAGE CURTAINS, STAGE BATTENS, STAGE TRUSSES, ROTARY SIDE WINGS AND DRAPERIES

STAGE CURTAINS

We provide fully professional curtain systems for culture centers, theaters, operas and cinemas. We believe that a proper stage curtain or a screen curtain allows to create atmosphere and elegance in every event hall and intensify the spectacular impression evoked by the performance, be it a theater play or a movie screening.

The whole curtain system is manufactured following our own design and taking into account all necessary components, that is a sub-structure mounting the mechanism to the ceiling, traction system, curtain motor and sewing of curtain fabric. We produce curtains opened to both sides by means of an electric or hand drive. Curtains are always produced to custom order, for the required size of the stage window, without any minimum or maximum limits.

Stage curtains are made of high quality plush fabric of approximately 370 g/m2 basis weight, with fireproof certificates. A wide range of colors is available for curtain fabric, allowing ideal match of our curtains to the prevailing colors of the room. We also make draping on fabric, following client's specifications and design requirements. Our curtains are supplied with an upper border drape as a standard.

STAGE BATTENS

We manufacture professional systems of pipe battens for suspending all types of equipment above the stage, such as decorations, heavy curtains, lighting or special effects equipment and even cinema screens.

We produce stage battens following our own design, taking into account all components necessary for proper operation. Our battens ensure appropriate stability and high maximum weighing capacity. They are normally produced from steel pipes, but on request we can make stage battens from aluminum or even using other than the pipe structure. We make battens with a single carrying beam or with two trussed carrying elements.

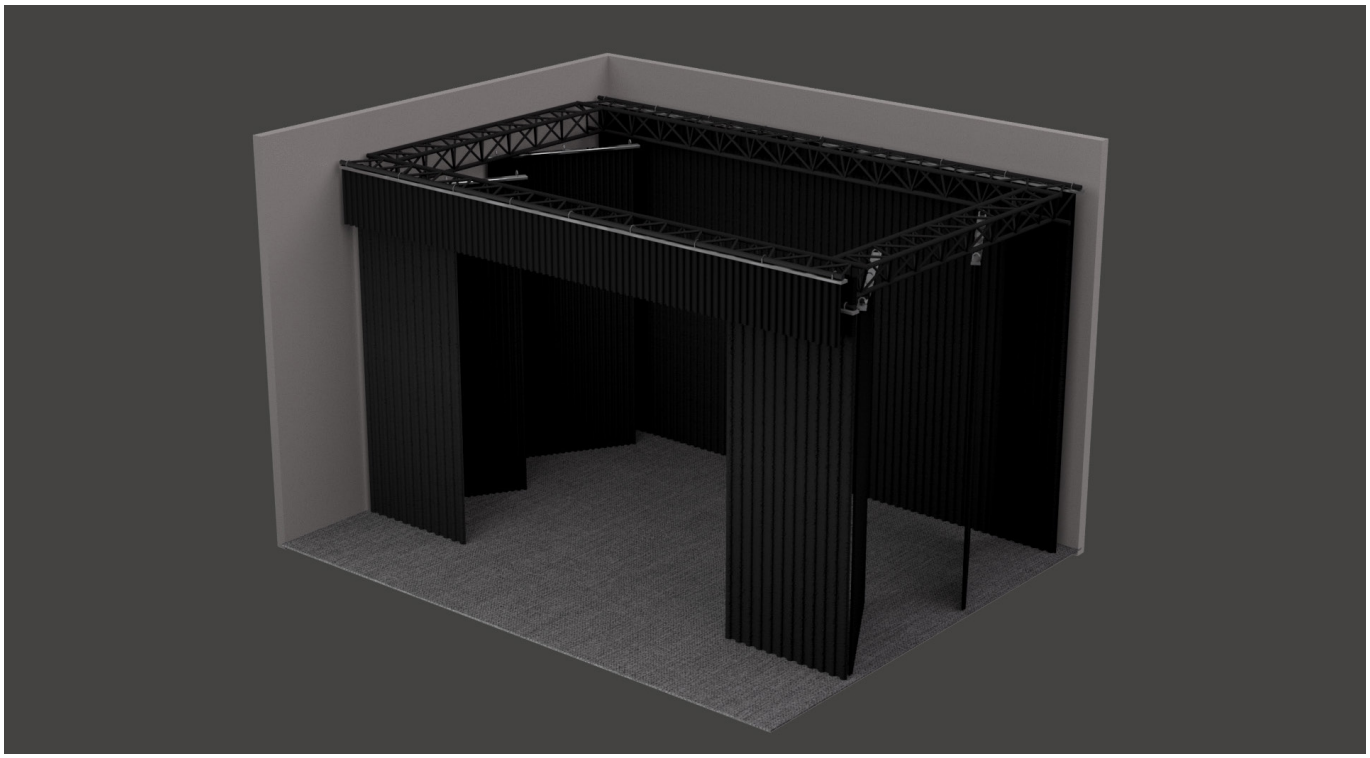
In standard our battens are equipped with an electric motor allowing their quick lifting and pulling down. On request, we can also provide them with a hand drive. As batten extra equipment we offer baskets or cable winders.

LIGHTNING TRUSSES

We produce the highest quality systems of lighting trusses with a grated construction of the carrying beam. These devices differ from stage battens as their maximum weighing capacity is much higher, thus allowing users to suspend many heavy equipment over the stage, especially elements of stage lighting.

Lightning trusses are made following our own design which takes into account all components ensuring its proper operation. The carrying beam of a lighting truss may have a tri- or a quattro-system structure. The spacing between particular carrying elements is chosen following the client's design requirements. Proper grating of carrying elements of the structure ensures its unwavering stability. In standard we produce lighting trusses of steel pipes, but on request we can make an aluminum structure.

Our lighting trusses are equipped with electric motor as a standard, allowing us to lift and pull them down quickly. On client's request we may also produce a system of hand drive. As additional equipment we offer baskets or cable winders.



ROTARY SIDE WINGS AND DRAPERIES

The systems of rotary side wings delivered by our company are an indispensable element of each theater stage. Side wings perfectly cover the space outside the scene while their rotary mechanism allows quick and discreet movement of people between the stage and the side area without attracting the attention of the audience. At the same time, if necessary, the system allows such rotation of the side wings that makes carrying larger objects on the stage possible without any problems.

The system of rotary side wings is manufactured following our own design. The rotation mechanism is hand-driven. Side wings are made of high quality plush fabric of around 370 g/m2 basis weight, with fireproof certificate. A wide range of colors is available for the fabric, and on request, we also make draping on fabric, following our client's specifications and design requirements.

Elements of draperies are always made with the utmost attention to detail and care, from high quality plush fabric of around 370 g/m2 basis weight, with fireproof certificate. A wide range of colors is available for plush fabric, ensuring perfect match of our products to the prevailing colors of a particular event hall. All elements can be made in all required sizes, taking into account client's specification and design requirements. We also make high quality, esthetic draping of the fabric.

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FIVE REASONS TO CHOOSE EKRAN

1 SPECIALIZATION

EKRAN company has the necessary knowledge and experience in the design, construction and assembly of screen frames. Our products are prepared with the utmost care and adapted to the changing environment and industry. We employ engineers who are responsible for the stability of the frame construction. Each project is implemented according to a set plan and controlled in terms of completeness. The company has the required certificates and positively passes the audit of factory production control.

2 FLEXIBILITY

By automating production and material preparation, we can carry out multiple projects in a short time. Our clients appreciate the speed of response and adaptation of our product after the production phase, directly before assembly. We find assembly solutions for our products even in the most adverse conditions. The assembly time is adapted to the customer's requirements. We implement installations all over the world.

ADAPTIVE

3

Changes in the cinema and the theater industry, new technologies of film screenings and sound system are reflected in our screen frames. Their design has evolved and adapted for many years to the conditions of ever-new sound and video systems. To meet the security requirements and at the same time to strengthen the effect of audiovisual reception for viewers, our products are adapted and ready to meet the expectations of viewers.

LOW BUDGET SOLUTIONS

4

Due to the experience and use of various materials in the production process, we can offer our products and services at reasonable prices, adapting to the demanding budget of the project, while maintaining the same quality standards of the finished product. We carry out a cyclic analysis of suppliers of raw products and semi-finished products intended for further processing, in order to provide the customer with products at an attractive price.

FULL PACKAGE SERVICE

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We provide our clients with a full package of services for the implementation of projects. Starting from material arrangements and quantities through technical drawings in the autocad together with static calculations, ending with fast production and assembly, we try to support the adhesives and provide the full range at the same time. An additional offer of auxiliary materials completes and closes the range of offered products. Our customers ordering a product with us can count on the final effect which does not require further work.

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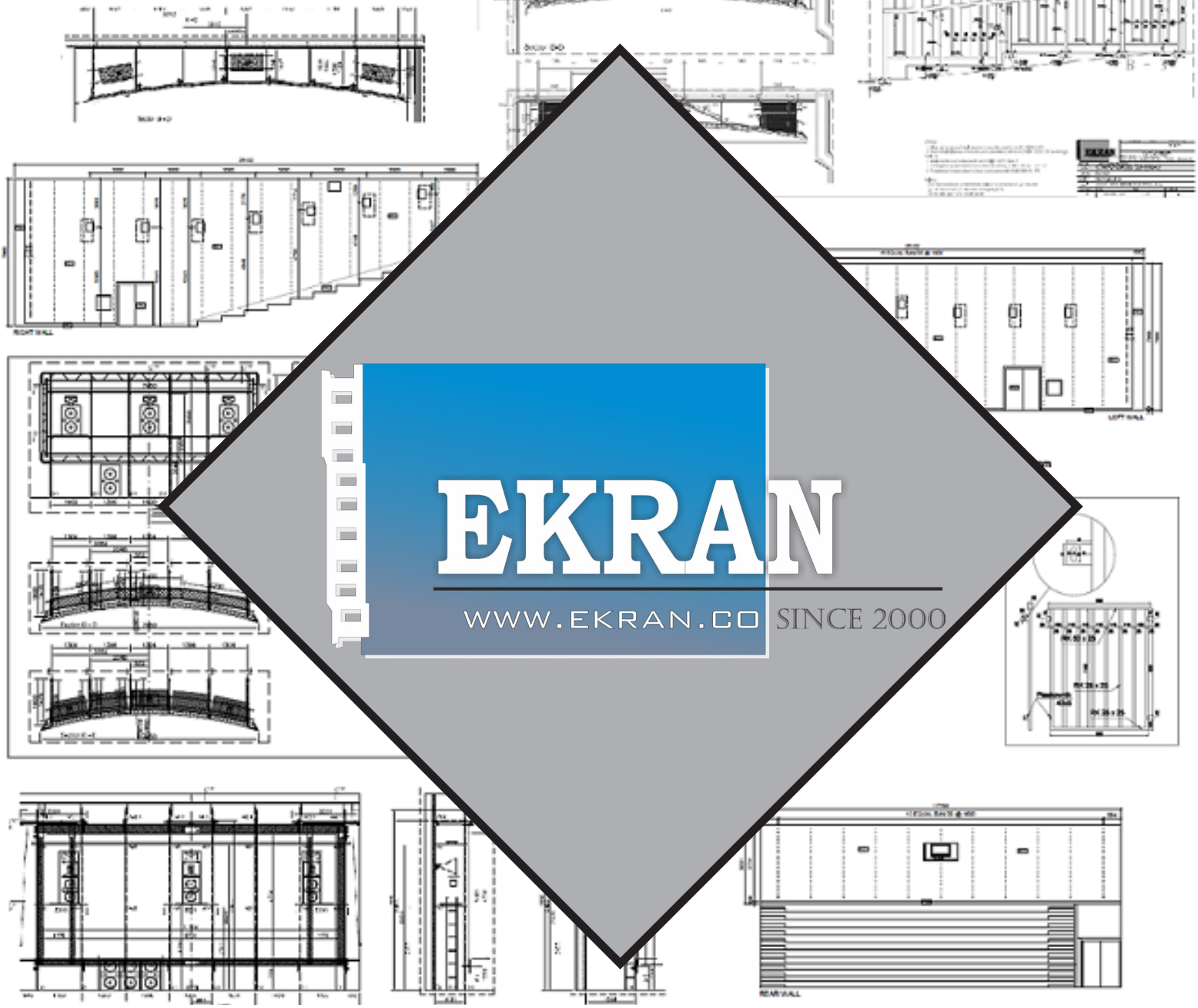

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