Acclaim Auditorium Seating

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About TSI

Theatre Solutions, Inc. (TSI) designs and produces distinctive and durable fixed seating. We are committed to providing the highest quality fixed seating and associated services in the world.

Quality, aesthetics, comfort and flexibility make TSI fixed seating the preferred choice for any building type. In addition to the advantages of our products, the attention TSI gives to every detail through each phase of the project makes us a valued ally to the architect, theater consultant, or building owner.

The Acclaim Series

Acclaim offers a functional and subtle elegance with simple but pleasing lines. A thin common frame allows for greater size and increased comfort. A slim chair profile permits the architect to increase capacity without sacrificing comfort or proper egress space. The Acclaim is available with fully-upholstered seats and backs or with an optional veneer back panel. Removable fabric covers are standard for easier maintenance. The following models are available:

- **Acclaim C1** Combines the beauty of a wood veneer outer back panel with the economy and warmth of a fully-upholstered seat. The seat is equipped with a slip-on zippered fabric cover.

- **Acclaim C3** Features fully-upholstered seat and back cushions for an elegant and warm appearance. Fabric slip-on covers are equipped with a zipper for easier on-site replacement.

Acclaim Features

- Gravity seat mechanism insures that the seat will always quietly return to a consistent vertical position.
- Hardwood armrests are available in a variety of species and finishes.
- Durable powder-coat finish is standard on all steel components.
- Flush mounted floor attachment hardware is standard.
- Removable, zippered seat and back covers are standard and allow for easier on-site replacement.
- Unique slim profile of only 15” (without tablet arm) allows greater chair capacity.
- Standard spacing is 19”, 20”, 21” and 22” c.c. of frames (19” not available with tablet arm).
- Lifetime Warranty is standard on the Acclaim.
Acclaim Options

The Acclaim chair is available with many options. Choose the options that are appropriate for the project.

**End Panels** Available as either upholstered or veneer, end panels can enhance the visual appeal of the room. They can be upholstered to match the chairs, or stained to match the armrests.

**Aisle Lights** Low-voltage (24v) aisle lights discreetly illuminate dark aisles and steps, enhancing safety and visual appeal. Aisle lights can be concealed in the underside of the arm cap, or installed in the end panel. Wiring is routed through the frame to provide a clean installation.

**Seat & Row Identification and Donor Tags** Seat & row identification plates and donor tags are available in a variety of shapes and finishes.

**Tablet Arms** The tablet arm folds between the seat and armrest and provides a work area for the occupant. Tablet arms are available as either left or right-handed.

**Power/Data** Popular with corporate training and educational facilities, the power/data ready frames option allows for distribution of networked communications and 120 volt power directly to each chair, allowing laptops to be connected to the building's internal computer and power distribution networks.

**California Technical Bulletin 133 Fire Code Compliance (when required by local codes)**

**Removable Chairs** Available as one, two, or three chairs, these units include a steel sled-base and can conform to the row radii so as to provide harmony with the design of the room, while maintaining the utmost in flexibility. Removable chairs are available with a standard base that allows them to be bolted to the floor quickly and easily, or an extended base that allows them to be completely freestanding without the need for physical attachment to the floor.

**Wood Veneer Back** Available in a variety of wood veneers, the outer back panel is ideal for use on chairs which require superior acoustical quality or extra protection.

**Laminate Back** Outer Back panels are available with a high-pressure laminate face; ideal for use on chairs which require superior acoustical quality or extra protection.

**Transfer Arms** Designed to comply with the Americans with Disabilities Act, these unique frames allow easy and clear access to the seat. Installations without an end panel feature a hinged lift-up armrest while installations with end panels feature removable end panels.

**Oversize Chair Widths** Chair widths of 23” and 24” c.c. are available to provide occupants with a higher level of comfort and to satisfy layout requirements.

**Bookracks** Available to meet the specific requirements for book storage, TSI provides project specific solutions.
Acclaim Product Advantages

**Gravity Tip-Up Seat** The Acclaim seat tip-up action is attained by the use of a gravity counterweight mechanism. The advantages of a gravity mechanism over a spring or cylinder mechanism are as follows:

- **Consistent and automatic return to the upright position.** Spring mechanisms can have inconsistent tip-up action due to the variation of the strength or fatigue of the steel springs. This affects the aesthetics of the room and may affect compliance with egress codes since the seats may not return to a consistent upright position.

- **Silent action.** Spring mechanisms are likely to develop squeaks and normally produce several loud hits before coming to a stop.

- **Seat tip-up will never fail.** Because the Acclaim mechanism relies on gravity, it will never fail to return the seat to its upright position. In contrast, as a spring mechanism fatigues, the seat tip-up action will get slower. Eventually, the spring mechanism may fail to return the seat to the upright position, producing a possible violation of egress codes.

**Seat Construction** The Acclaim seat construction is patterned after office chairs for long-term comfort and durability. Flexible polyurethane foam is glued directly to the structure of the seat. The advantages of this type of construction are as follows:

- **Silence, durability, comfort.** Seats constructed with serpentine springs often fatigue, sag and fail. This creates an uncomfortable and noisy seat, which may require replacement. TSI's flexible polyurethane foam construction offers significant user comfort over long seating periods. Additionally, the absence of steel springs insures completely silent compression during use.

- **Upholstered options.** Unlike metal seat pans with serpentine springs, Acclaim's all-wood construction allows for custom upholstery detailing. The fully-upholstered seat has a zippered slip-on fabric cover for easier on-site replacement.

**TSI Chair Frames** The Acclaim frames are welded assemblies of heavy gauge and solid steel components. The advantages of this type of construction are listed below:

- **Flexibility.** The Acclaim's welded steel assembly allows for simple and cost efficient design modifications for conformance to unique building conditions. Unlike high volume castings, welded construction facilitates small production run modifications.

**Cost of Ownership** Due to the obvious product advantages of Acclaim seating as mentioned above, and the superior service and warranty levels offered by TSI, purchasing Acclaim seating is a better long-term value. The initial savings associated with the purchase of a less expensive chair is likely to be lost through ongoing maintenance and replacement during the lifetime of the product.
Warranty  The Acclaim’s “Lifetime Warranty” speaks for itself in describing Theatre Solutions’ commitment to superior quality.

Acclaim Lifetime Warranty

Theatre Solutions, Inc. (TSI) warrants its’ products against failures and manufacturing defects for the life of the product. This warranty applies only to the original purchaser and is non-transferable. TSI will provide parts and labor to replace defective parts for the first two years after installation. Thereafter, TSI will provide replacement parts for the life of the product. This warranty does not cover damage from abuse, misuse, neglect or act of God. Damage caused by modifications to the product by anyone other than an authorized TSI technician will void this warranty. This warranty does not apply to fabrics or products not installed by authorized TSI technicians.
Market Focus
Theatre Solutions provides seating for a variety of building types. Our products and services are tailored to meet the specific requirements of each project type.

Performing Arts Centers

- Available outer wood veneer back panels provide the reflective surfaces required to achieve enhanced acoustics and provide extra protection.
- When a fully-upholstered look is desired, slip-on covers equipped with zippers are available, which provide for easier on-site replacement.
- The Acclaim chair is equipped with a gravity seat tip-up mechanism, which provides a soft and silent action. Regardless of how many times our seats are lowered and raised, the action is always consistent and quiet. This silent action is critical to the acoustic success of a performing arts center.
- All chairs are built with high-quality flame-retardant foam. In addition to reduced maintenance, solid foam seats provide significant user comfort over long seating periods.
- Chairs may be specified as individual units with two arms per chair. This allows for greater comfort than the standard common leg configuration in which two adjacent occupants share a center armrest.
- Transfer arms of varying designs are available to comply with ADA requirements.
- Flexibility in spacing allows the architect to achieve the best balance between comfort and room capacity. All Acclaim models have a standard spacing of 19", 20", 21", and 22" with widths up to 24" available as an option.
- Removable chairs are available to enhance the flexibility of the seating layout as well as to provide for additional seating when required.
- Durability and reduced maintenance are the hallmarks of all TSI theater seating, confirmed by our Lifetime Warranty.
- The classic, subtle elegance, along with the durability of this chair, make the Acclaim ideal for any public space. The simplicity of design allows for customized enhancements and makes the Acclaim an outstanding chair for any performance space.
• Available outer wood veneer back panels provide the reflective surfaces required to achieve enhanced acoustics and provide extra protection.

• When a fully-upholstered look is desired, slip-on covers equipped with zippers are available, which provide for easier on-site replacement.

• The jury base is available with a tilt mechanism and can be specified with limited swivel travel. The limited swivel is especially helpful in those instances where spacing will not allow for the complete rotation of the chair.

• The Acclaim chair is equipped with a gravity seat tip-up mechanism, which provides a soft and silent action. Regardless of how many times our seats are lowered and raised, the action is always consistent and quiet. This silent action is critical to the acoustic success of the courtroom.

• All chairs are built with high-quality flame-retardant foam. In addition to reduced maintenance, solid foam seats provide significant user comfort over long seating periods.

• Transfer arms of varying designs are available to comply with ADA requirements.

• Chairs may be specified as individual units with two arms per chair. This allows for greater comfort than the standard common leg configuration in which two adjacent occupants share a center armrest.

• The Acclaim is available with common floor mounted frames appropriate for courtroom seating as well as freestanding units with swivel and return bases, appropriate for the jury box. This combination creates a uniform look to all fixed seating.

• Flexibility in spacing allows the architect to achieve the best balance between comfort and room capacity. All Acclaim models have a standard spacing of 19", 20", 21", and 22" with widths up to 24” available as an option.

• Durability and reduced maintenance are the hallmarks of all TSI theater seating, confirmed by our Lifetime Warranty. These attributes are important in any public space, but become critical in a courtroom due to the quantity and variety of people using the facility.

• The classic, subtle elegance, along with the durability of this chair, make the Acclaim ideal for any public space. The simplicity of design allows for customized enhancements and makes the Acclaim an outstanding chair for any courtroom.
- Outer wood veneer back panels provide extra protection in high volume areas.
- When a fully-upholstered look is desired, slip-on covers equipped with zippers are available, which provide for easier on-site replacement.
- Frames with integrated power/data modules are available to allow for use of laptop computers or translation and communication equipment.
- Two-motion fold-away tablet arms, available on both standard and power/data frames, provide a work area for the occupant.
- The Acclaim chair is equipped with a gravity seat tip-up mechanism, which provides a soft and silent action. Regardless of how many times our seats are lowered and raised, the action is always consistent and quiet.
- All chairs are built with high-quality flame-retardant foam. In addition to reduced maintenance, solid foam seats provide significant user comfort over long seating periods.
- Transfer arms of varying designs are available to comply with ADA requirements.
- Chairs may be specified as individual units with two arms per chair. This allows for greater comfort than the standard common leg configuration in which two adjacent occupants share a center armrest.
- Flexibility in spacing allows the architect to achieve the best balance between comfort and room capacity. All Acclaim models have a standard spacing of 19”, 20”, 21”, and 22” with widths up to 24” available as an option.
- Durability and reduced maintenance are the hallmarks of all TSI theater seating, confirmed by our Lifetime Warranty.
- The classic, subtle elegance, along with the durability of this chair, make the Acclaim ideal for any training room. The simplicity of design allows for customized enhancements and makes the Acclaim an outstanding chair for any space.
• Outer wood veneer back panels provide extra protection in high volume areas.

• When a fully-upholstered look is desired, slip-on covers equipped with zippers are available, which provide for easier on-site replacement.

• Two-motion fold-away tablet arms, available on both standard and power/data frames, provide a work area for the occupant.

• Bookracks, designed to meet the requirements of each project, provide the occupant with extra storage space.

• The Acclaim chair is equipped with a gravity seat tip-up mechanism, which provides a soft and silent action. Regardless of how many times our seats are lowered and raised, the action is always consistent and quiet.

• All chairs are built with high-quality flame-retardant foam. In addition to reduced maintenance, solid foam seats provide significant user comfort over long seating periods.

• Transfer arms of varying designs are available to comply with ADA requirements.

• Chairs may be specified as individual units with two arms per chair. This allows for greater comfort than the standard common leg configuration in which two adjacent occupants share a center armrest.

• Flexibility in spacing allows the architect to achieve the best balance between comfort and room capacity. All Acclaim models have a standard spacing of 19”, 20”, 21”, and 22” with widths up to 24” available as an option.

• Frames with integrated power/data modules are available to allow for use of laptop computers or translation and communication equipment.

• Durability and reduced maintenance are the hallmarks of all TSI theater seating, confirmed by our Lifetime Warranty.

• The classic, subtle elegance, along with the durability of this chair, make the Acclaim ideal for any public space. The simplicity of design allows for customized enhancements and makes the Acclaim an outstanding chair for any space.
Museums

- Available outer wood veneer back panels provide the reflective surfaces required to achieve enhanced acoustics and provide extra protection.
- When a fully-upholstered look is desired, slip-on covers equipped with zippers are available, which provide for easier on-site replacement.
- The Acclaim chair is equipped with a gravity seat tip-up mechanism, which provides a soft and silent action. Regardless of how many times our seats are lowered and raised, the action is always consistent and quiet.
- All chairs are built with high-quality flame-retardant foam. In addition to reduced maintenance, solid foam seats provide significant user comfort over long seating periods.
- Transfer arms of varying designs are available to comply with ADA requirements.
- Chairs may be specified as individual units with two arms per chair. This allows for greater comfort than the standard common leg configuration in which two adjacent occupants share a center armrest.
- Flexibility in spacing allows the architect to achieve the best balance between comfort and room capacity. All Acclaim models have a standard spacing of 19”, 20”, 21”, and 22” with widths up to 24” available as an option.
- Durability and reduced maintenance are the hallmarks of all TSI theater seating, confirmed by our Lifetime Warranty.
- The classic, subtle elegance, along with the durability of this chair, make the Acclaim ideal for any public space. The simplicity of design allows for customized enhancements and makes the Acclaim an outstanding chair for any space.
- Outer wood veneer back panels provide extra protection in high volume areas.
- When a fully-upholstered look is desired, slip-on covers equipped with zippers are available, which provide for easier on-site replacement.
- The Acclaim chair is equipped with a gravity seat tip-up mechanism, which provides a soft and silent action. Regardless of how many times our seats are lowered and raised, the action is always consistent and quiet.
- All chairs are built with high-quality flame-retardant foam. In addition to reduced maintenance, solid foam seats provide significant user comfort over long seating periods.
- Transfer arms of varying designs are available to comply with ADA requirements.
- Chairs may be specified as individual units with two arms per chair. This allows for greater comfort than the standard common leg configuration in which two adjacent occupants share a center armrest.
- Flexibility in spacing allows the architect to achieve the best balance between comfort and room capacity. All Acclaim models have a standard spacing of 19", 20", 21", and 22" with widths up to 24" available as an option.
- Removable chairs are available to enhance the flexibility of the seating layout as well as to provide for additional seating when required.
- Bookracks, designed to meet the requirements of each project, provide the occupant with extra storage space.
- Durability and reduced maintenance are the hallmarks of all TSI theater seating, confirmed by our Lifetime Warranty.
- The classic, subtle elegance, along with the durability of this chair, make the Acclaim ideal for any space. The simplicity of design allows for customized enhancements and makes the Acclaim an outstanding chair for any religious facility.
Planning Information

Theatre Solutions offers a variety of services designed to help in the planning and successful completion of any project requiring the use of fixed seating. Our services include analyzing proposed architectural plans and developing a seating layout that best meets the project criteria. We will assist in resolving issues related to code compliance and sight line development. All TSI preliminary services are free to architects and potential customers.

Further assistance is offered at those times when the architect has a need for custom components or a totally new product concept. The TSI team of experienced product designers welcomes the opportunity to assist designers in developing solutions to the most unique project requirements.

Program/Schematic Design Based on the estimated project requirements, we will assist architects in the development of a preliminary budget covering the fixed seating. This will ensure the establishment of a project budget that includes adequate funding for the product that meets the architect’s requirements.

Design Development During this critical phase of the project, we will assist the architect in the development of preliminary chair layout drawings, taking into consideration proper sightlines and code compliance. In many cases, the layout drawings must be perfected through several submissions. Special product requirements and possible solutions will be offered at this time. TSI will develop preliminary fixed seating specifications, which will be submitted to the architect for review and possible modifications. By solving design and specifications problems in greater detail during this phase of the work, the architect is able to simplify project documentation and avoid potentially costly oversights.

Custom Designs TSI’s staff includes experienced product designers who are capable of creating custom products and components which may be required to address unique project specifications. Additionally, TSI enjoys greater flexibility in production as a result of our diverse manufacturing and supply infrastructure.

When SOM (Chicago) Architects, Chang J o Architects, and Artec Consultants determined the construction design for the LG Arts Center in Seoul, South Korea, they knew they wanted a finished wood surface on the face of all risers. With structural and acoustic considerations in mind, the final design included a build-out of more than 2” from the structural concrete. TSI developed a unique riser mount connection that provided excellent strength, ease of installation, and elegant design.

During the construction of the Kodak Theater, the home of the Academy Awards, architect David Rockwell and theater consultants, Theatre Projects Consultants, requested that TSI be responsible for developing cast glass sculptures for the end panels of the chairs and for the wall panels. In response, TSI identified and commissioned the services of a glass artist capable of producing the required complicated molds necessary to cast these beautiful sculptures. These unique glass sculptures, which are back lit, can be seen in the custom end panels of the chairs and in the panels located on the walls of the room.

Construction Documents As the architectural working drawings are finalized, TSI will update the chair layout and produce drawings to reflect all changes implemented since the preliminary documentation. TSI will also finalize the seating specifications in any format required by the architect to insure consistency with the rest of the contract documents. This will allow the architect to include the specifications and drawings in the construction documents without further work.

Project Management Every project awarded to TSI, regardless of size, will be assigned to a dedicated project manager who ensures that every detail of the contract receives full attention. The shop drawing submission will be completed in accordance to the project requirements and will take into consideration every detail unique to the project. It will include the exact location of every chair, installation details, the selected fabric and other appropriate details such as aisle lights, removable chairs, tablet arms, and any other options that are included in the contract. Once the shop drawing submittal is approved, TSI will schedule the production of the order in coordination with the project schedule.

If the installation is included in TSI’s contract, it will always be accomplished by a factory-trained installer and, in cases where necessary, under the supervision of TSI factory representatives.

Every portion of this work will be accomplished under the direct supervision of one or more of the TSI principals who, along with the project manager, will always be available to clarify any questions or discuss any aspect of the project with the project leaders.

The TSI design staff is anxious to work with you on your next theater chair project.
Figure 1 - Acclaim C1 Front, Side, and Plan Views
(This model has an inner-upholstered back cushion with outer wood veneer panel and a fully-upholstered seat.)
Figure 2 - Acclaim C3 Front, Side, and Plan Views
(This model has both fully-upholstered seat and back.)
Figure 3 - Acclaim Seating Layout Dimensions

CENTER-TO-CENTER DIMENSIONS FOR STANDARD
CHAIRS WITHOUT TABLET ARMS ARE 19", 20", 21", OR 22".

CENTER-TO-CENTER DIMENSIONS FOR STANDARD
CHAIRS WITH TABLET ARMS ARE 20", 21", OR 22".
PART 1 - GENERAL

1.1 RELATED DOCUMENTS
A. Drawings and general provisions of the Contract, including General and Supplementary Conditions, apply
to this section.

1.2 SUMMARY
A. This section includes the following:
   1. Common standard floor mounted chairs as detailed in Part 2 of these specifications.

1.3 SUBMITTALS
A. Product data for each type of product specified. Include installation methods.
B. Shop drawings, prepared for architectural drawings and from field dimensions, showing the seating layout,
   seat numbering sequence, chair sizes, and aisle widths. Also show a section view with profile dimensions
   of the seating and back-to-back dimensions.
C. Samples for initial selection purposes in the form of manufacturer’s color charts or samples of materials
   showing the full range of standard colors, finishes, and patterns.
   1. Fabric
   2. Metal Finishes
   3. Wood Finishes
D. Statement signed by the theater seating manufacturer confirming that the products submitted comply with
   the specified requirements.

1.4 QUALITY ASSURANCE
A. Provide installer’s qualifications confirming the installer is qualified to install the manufacturer’s chairs
B. Provide seating that complies with California Technical Bulletin 117.
C. Obtain each type of seating, including accessories and mounting components, from a single manufacturer.
D. Design and install seating with end standards aligning from first to last row and with backs and seats varied
   in width to optimize sightlines. Comply with ADA rules and regulations.

1.5 PROJECT CONDITIONS
A. Environmental Conditions: Do not install seating until space is enclosed and weatherproof, wet work in
   space is complete and dry, installation of finishes including painting is complete, and ceilings are complete.
   Do not install seating until ambient temperature and humidity conditions are continuously maintained at
   final occupancy values.

1.6 DELIVERY, STORAGE, AND HANDLING
A. Deliver seating in manufacturer’s unopened cartons clearly labeled with manufacturer’s name and
   contents.
B. Handle seating in manner to prevent damage.

1.7 EXTRA MATERIALS
A. Furnish from the same production run as the materials installed. Package materials with protective
   covering and identify with labels describing contents.
   1. Seat and back covers to be furnished in a quantity equal to 5 percent of the amount of chairs
      installed.
Acclaim C1 Specifications - Theatre Seating

(This section pertains to the Acclaim C1 model. The seat assembly is fully-upholstered. The back assembly has an inner-upholstered cushion and outer plywood panel with stained edges.)

PART 2 - PRODUCTS

2.1 SEATING

A. Provide from Theatre Solutions, Inc., 121 Park Avenue, Quakertown, PA 18951, the Acclaim “C1” model as follows:

1. Basic floor mounted chair.
2. Fully-upholstered seat.
3. Inner upholstered back.
4. Outer wood veneer back with stained edges.
5. Wood armrests.
6. Aisle lights where indicated on the drawings.

B. Model noted is based on the Theatre Solutions, Inc. Acclaim “C1” model with the intent of establishing the high level of quality required for the project. Other brands submitted for approval will be given consideration provided that a full seating mock-up, along with a complete list of specification discrepancies between the proposed substitution and the product specified is received at least 10 working days prior to the bid date.

1. By offering a quote for this project, the bidder assumes full responsibility for complying with the specifications for this project and shall be totally responsible for any expenses incurred if the product quoted does not comply with the specifications.

C. Failure to comply with the warranty described in Part 4 of these specifications will be cause for disqualification.

2.2 MATERIALS

A. Padding material shall be flexible polyurethane foam which conforms to the standards of the California Bureau of Home Furnishings 117-75. The back shall be 2” thick. The seat shall be 3” thick.

B. Seating fabric shall be __________________________ with the color to be selected from the standard choice of colors. The inner back and seat shall be upholstered by attaching the fabric to the inside wood back and seat panels. All upholstery shall be first quality without creases, stretch lines, or wrinkles.

C. Exposed wood on the outer back panel shall be veneer. The panel edges shall be stained to match the veneer faces. The arms shall be solid wood. All wood shall be stained in any of the manufacturer's standard finishes.

2.3 FABRICATION, GENERAL

A. Fabricate the theater seating in contoured form for maximum comfort using materials that are carefully selected to be free from defects, objectionable projections, or irregularities. Smooth round corners and edges to present the least possible snagging and pinching hazards.

2.4 MOUNTING

A. Fabricate seating units for floor attachment, using standards that have been manufactured to conform to the slope of the floor while maintaining seat and back in same angular relationship to standards throughout.

2.5 METAL STANDARDS

A. Frame shall be 3/4” x 2” x 16 gauge cold-rolled welded steel tubing, and 5/16” x 2” hot-rolled pickled-in-oil steel strip, de-scaled and fully welded into one integral freestanding structure upon which the seat, back, and arms are assembled. Pivot and stop pins shall be machined from cold-finished steel to tolerances of +0.000 -0.005. Floor mount plate shall be 5/16” thick cold-rolled steel plate with two countersunk holes for 1/4-20 mounting screws.

2.6 UPHOLSTERED CHAIRS

A. General: Fabricate theater seating with padding and fabric covering. Equip each seat with a gravity self-rising mechanism so that unoccupied seats return to an upright position perpendicular to the base line of floor of auditorium. Spring compensating mechanism will not be acceptable. Chair profile with the seat in the upright position and without a tablet arm, cannot exceed 15-1/2”. The chair profile with the seat in the upright position and with a tablet arm, cannot exceed 21”.
B. Seat Construction: The seat panel shall be 3/4" thick, electronically glued hardwood plywood with four 1/4-20 threaded steel inserts for attachment of hinges. The padding material shall be 3" thick polyurethane foam, shall be glued to the inner surface of the seat panel, and shall conform to the California Bureau of Home Furnishings Technical Bulletin 117. The outside surface of the seat panel shall be encapsulated in 1/4" thick slab polyurethane foam. The seat shall have a built-in counterweight to insure automatic self-rising without the aid of springs. Arch-spring seat construction will not be acceptable.

C. Back Construction: Solid back construction comprised of a curved plywood veneer outer panel fastened solidly and without voids to an inner structural plywood panel. The outer panel shall be 3/4" thick, faced one side with Grade A veneer centered across the width of the panel, and exposed plywood laminations along all edges. The inner panel shall be 1/2" thick. Both shall be electronically glued hardwood plywood and shall be fastened together with bayonet hanging brackets at the top and two steel angles at the bottom, resulting in a rigid connection with no visible fasteners on the outer wood panel. The veneer face and edges of the outer panel shall be stained to match the architect's sample. The padding material shall be 2" thick polyurethane foam, shall be glued to the inner panel, and shall conform to the California Bureau of Home Furnishings Technical Bulletin 117. The complete back assembly shall be supported by four 11 gauge formed steel brackets.

D. Armrests: Shall be kiln-dried solid hardwood, nominally 3/4" thick x 2-1/4" wide x 12" long, stained to match the outer back panels. The armrest will be fastened to the steel frame with two #8 x 3/4" pan head sheet metal screws. Chairs equipped with tablet arms shall have armrests nominally 3/4" thick x 2-1/4" wide x 17-1/2" long and shall be attached to the steel frame arm support with three #8 x 3/4" pan head sheet metal screws.

E. Hinge: The seat hinge shall be a weldment consisting of two stamped and formed 14 gauge plates. Hinges shall include two recessed slots to accept 1/4-20 fillister head screws and one pierced, extruded and reamed hole for assembly to the chair frame. Each hinge shall include a rubber bumper to dampen noise upon the seat return to the vertical position. Compensating type hinges will not be acceptable.
Acclaim C3 Specifications - Theatre Seating

(This section pertains to the Acclaim C3 model. Both the seat and back assemblies are fully-upholstered.)

PART 2 - PRODUCTS

2.1 SEATING

A. Provide from Theatre Solutions, Inc., 121 Park Avenue, Quakertown, PA 18951, the Acclaim “C3” model as follows:
   1. Basic floor mounted chair.
   2. Fully-upholstered seat and back.
   3. Wood armrests.
   4. Aisle lights where indicated on the drawings.

B. Model noted in based on the Theatre Solutions, Inc. Acclaim “C3” model with the intent of establishing the high level of quality required for the project. Other brands submitted for approval will be given consideration provided that a full seating mock-up, along with a complete list of specification discrepancies between the proposed substitution and the product specified is received at least 10 working days prior to the bid date.
   1. By offering a quote for this project, the bidder assumes full responsibility for complying with the specifications for this project and shall be totally responsible for any expenses incurred if the product quoted does not comply with the specifications.

C. Failure to comply with the warranty described in Part 4 of these specifications will be cause for disqualification.

2.2 MATERIALS

A. Padding material shall be flexible polyurethane foam which conforms to the standards of the California Bureau of Home Furnishings 117-75. The back shall be 2” thick. The seat shall be 3” thick.

B. Seating fabric shall be _______________________________________________ with the color to be selected from the standard choice of colors. The inner back and seat shall be upholstered by attaching the fabric to the inside wood back and seat panels. All upholstery shall be first quality without creases, stretch lines, or wrinkles.

C. The arms shall be solid wood. All wood shall be stained to match the architect's sample.

2.3 FABRICATION, GENERAL

A. Fabricate the theater seating in contoured form for maximum comfort using materials that are carefully selected to be free from defects, objectionable projections, or irregularities. Smooth round corners and edges to present the least possible snagging and pinching hazards.

2.4 MOUNTING

A. Fabricate seating units for floor attachment, using standards that have been manufactured to conform to the slope of the floor while maintaining seat and back in same angular relationship to standards throughout.

2.5 METAL STANDARDS

A. Frame shall be 3/4” x 2” x 16 gauge cold-rolled welded steel tubing, and 1/4” x 2” hot-rolled pickled-in-oil steel strip, descaled and fully welded into one integral freestanding structure upon which the seat, back, and arms are assembled. Pivot and stop pins shall be machined from cold-finished steel to tolerances of +0.000 -0.005. Floor mount plate shall be 5/16” thick cold-rolled steel plate with two countersunk holes for 1/4-20 mounting screws.

2.6 UPHOLSTERED CHAIRS

A. General: Fabricate theater seating with padding and fabric covering. Equip each seat with a gravity self-rising mechanism so that unoccupied seats return to an upright position perpendicular to the base line of floor of auditorium. Spring compensating mechanism will not be acceptable. Chair profile with the seat in the upright position and without a tablet arm, cannot exceed 15”. The chair profile with the seat in the upright position and with a tablet arm, cannot exceed 20-1/2”.

B. Seat Construction: The seat panel shall be 3/4” thick, electronically glued hardwood plywood with four 1/4-20 threaded steel inserts for attachment of hinges. The padding material shall be 3” thick polyurethane foam, shall be glued to the inner surface of the seat panel, and shall conform to the California Bureau of Home Furnishings Technical Bulletin 117. The outside surface of the seat panel shall be encapsulated in 1/4” thick slab polyurethane foam. The seat shall have a built-in counterweight to insure automatic self-rising without the aid of springs. Arch-spring seat construction will not be acceptable.
C. Back Construction: The back panel shall be 1/2" thick, electronically glued curved hardwood plywood. The padding material shall be 2" thick polyurethane foam, shall be glued to the inner panel, and shall conform to the California Bureau of Home Furnishings Technical Bulletin 117. The outside surface of the back panel shall be encapsulated in 1/4" thick slab polyurethane foam. The complete back assembly shall be supported by four 11 gauge formed steel brackets.

D. Armrests: Shall be kiln-dried solid hardwood, nominally 3/4" thick x 2-1/4" wide x 12" long, stained to match the outer back panels. The armrest will be fastened to the steel frame with two #8 x 3/4" pan head sheet metal screws. Chairs equipped with tablet arms shall have armrests nominally 3/4" thick x 2-1/4" wide x 17-1/2" long and shall be attached to the steel frame arm support with three #8 x 3/4" pan head sheet metal screws.

E. Hinge: The seat hinge shall be a weldment consisting of two stamped and formed 14 gauge plates. Hinges shall include two recessed slots to accept 1/4-20 fillister head screws and one pierced, extruded and reamed hole for assembly to the chair frame. Each hinge shall include a rubber bumper to dampen noise upon the seat return to the vertical position. Compensating type hinges will not be acceptable.
PART 3 - OPTIONS

3.1 UPHOLSTERED END PANEL
   A. Provide manufacturer’s standard upholstered end panel at the end of the row. The configuration of the panel shall conform to the shape of the end standard frame, shall reside fully within the frame width and shall present fabric surfaces to both the inside and outside of the chair. The end panel assembly shall consist of one inside and one outside panel that are machined of 1/2” thick fiberboard and have all edges eased to insure suitability for upholstery. The outside panel is to contain four 10-24 threaded steel inserts to facilitate assembly to inner panel with four 10-24 x 2” flat head machine screws.

3.2 VENEER END PANEL
   A. Provide manufacturer’s standard veneer end panel at the end of the row. The configuration of the panel shall conform to the shape of the end standard frame, shall reside fully within the frame width and shall present finished veneer surfaces to both the inside and outside of the chair. Veneer species and finish to match hardwood armrests. The end panel assembly shall consist of one inside panel machined of 1/2” thick birch plywood and one outside panel machined of 3/4” thick birch plywood. The outside panel is to contain four 10-24 threaded steel inserts to facilitate assembly to the inner panel with four 10-24 x 2” flat head machine screws.

3.3 EXTERNAL END PANEL
   A. Provide manufacturer’s standard external veneer end panel at the end of the row. The configuration of the panel shall follow the angle of the frame at the rear, and shall be vertical at the front end. The panel shall be constructed of 3/4” thick plywood with veneer on both sides and 1/8” thick solid wood on the vertical edges. The end panel shall be stained to match the armrests.

3.4 AISLE LIGHT
   A. Aisle lights shall be provided in accordance to the locations shown on the architectural drawings. The units shall be of low voltage (24v) type and the light tube shall fit into a routed area on the underside of the armrest. The chair frame shall be prepared to accept the power wire. The necessary access holes and blank cover plates shall be provided. The chair manufacturer shall also provide the necessary transformers. All wiring and electrical connections shall be conducted at the job site and shall be the responsibility of others.

3.5 SEAT AND ROW IDENTIFICATION TAGS
   A. Provide manufacturer’s standard shape aluminum number and letter plates. Font shall be Helvetica and the font size shall be 36pt. The number plates shall be attached to the top edge of the seat with spiral shank nails. The row letter plates shall be attached to the top of the armrest with straight shank nails.

3.6 REMOVABLE CHAIR
   A. Provide the manufacturer’s standard one, two or three chair removable units which shall include an integrated steel sled-base that is engineered to conform to the row radii and includes two through holes per chair for floor mounting.

3.7 FREESTANDING REMOVABLE CHAIR
   A. Provide manufacturer’s standard freestanding removable chair which shall include an integrated steel sled-base that is engineered to conform to the row radii and includes extended length floor plates to allow the chairs to remain stable with no physical attachment to the floor.

3.8 TABLET ARMS
   A. Tablet arm shall be two-motion fold-away style, constructed of 1/2” medium density fiberboard, faced two sides with matte black high-pressure laminate. The edges shall be finished with a vinyl T-molding trimmed flush with both top and bottom surfaces.

3.9 POWER/DATA
   A. Where indicated on the drawings, chair frames shall be equipped with a 115v/15amp power outlet and a RJ -45 Category 6 data port located on the front of the frame. Wire raceways shall be provided for routing of the wires from chair to chair. All wiring and electrical connections shall be conducted at the job site and shall be the responsibility of others.

3.10 BOOKRACK
   A. The bookrack shall be constructed of hardwoods and hardwood plywood. Bookrack shall be assembled with tongue and groove construction and finished with a catalyzed lacquer. The bookrack shall be attached
to the outer surface of the chair back. An optional attachment configuration shall consist of a steel weldment attached to the chair leg. This configuration allows the bookrack to be located between chair backs.

3.11 COMPLIANCE WITH CALIFORNIA TECHNICAL BULLETIN 133
Acclaim Specifications – Theatre Seating
(This section pertains to all models of the Acclaim chair.)

PART 4 - WARRANTY
4.1 The theater seating manufacturer must provide a Lifetime Warranty to the original purchaser of the seating as follows:
   A. The seating manufacturer shall warrant its products against failures and manufacturing defects for the life of the product. This warranty applies to the original purchaser and is non-transferable. The seating manufacturer will provide parts and labor to replace defective parts for the first two years after the installation. Thereafter, the manufacturer will provide replacement parts for the life of the product.
   B. This warranty shall not cover damage from abuse, misuse, neglect, or act of God. Damage caused by modifications to the product by anyone other than a TSI authorized seating installation technician will void this warranty. This warranty does not apply to fabrics or products not installed by TSI authorized seating installation technicians.

PART 5 - EXECUTION
5.1 EXAMINATION
   A. Examine site conditions, with installer present, for compliance with requirements for construction tolerances as they affect anchors and fasteners, and location of junction boxes.
   B. Do not proceed until unsatisfactory conditions have been corrected.

5.2 GENERAL
   A. Comply with seating manufacturer’s printed installation instructions applicable to products.
   B. Locate seating in locations indicated on approved shop drawings, with required clearances.
   C. Install standards in locations conforming to seating layout, with each standard attached to substrate by no less than two anchoring devices of size and type required to insure that chairs are stable under conditions of actual use.
   D. Install chairs using manufacturer’s recommended hardware and fasteners. Insure that chairs in curved rows are installed on proper radius and are oriented toward the center point of the radius. Verify that moving components operate smoothly and quietly.

5.3 ADJUSTING
   A. Adjust as required to assure that the seats in each row are aligned when in the upright position.
   B. Touch-up minor abrasions and imperfections in painted finishes with coating that matches factory-applied finish.
   C. Replace any upholstery that has been damaged during installation.

END OF SPECIFICATION
**Acclaim Installation Instructions**
(Note: See Exploded Assembly [Figure 4] and Floor Mounting Details [Figure 5] on following pages.)

1. Use approved floor plan to establish hole locations for the foot plates. Note that the chair radius line is 1-1/2" behind the front hole of the foot plate. Accurate center-to-center width spacing is critical to a proper installation. Tolerance on the chair width dimension is plus or minus 1/8". It is critical not to exceed this tolerance on width spacing.

2. When mounting chairs over carpet, punch two 5/8" diameter holes in carpet to match holes in the chair base plate. (See figure 4.) Bolt leg frames to floor as per the appropriate anchoring method. Use 1/4" flat head machine bolt or wood screws and countersink lock washers. Hand-tighten bolts to allow for some slight movement in the leg frame. (See figure 4.)

3. Attach back as follows: From the front of the legs, slip the back panel over the legs with the top brackets sliding over the top of the frame and the bottom brackets sliding under the frame. Installing the back panel from the front of the legs insures that the back brackets on the upholstered back do not scratch the paint on the rear of the legs. Align slots in the back brackets with the threaded holes in the leg (4 locations for each back) and insert a 1/4-20 x 1/2" SEMS machine screw. Center the back panel between the legs, hand tighten all screws first, then tighten securely.

4. Attach the seat as follows:
   a. Attach one hinge to the seat with two 1/4-20 x 1-1/4" fillister head machine screws. Make sure that the "L" part of the hinge is over the side edge of the seat and the rubber bumper on the hinge is toward the front edge of the seat. Hand-tighten the screws.
   b. Place a nylon washer over each forward pivot pin followed by a plastic bushing.
   c. Slide the seat (with attached hinge) onto forward pivot pin on the leg.
   d. Place the nylon washer, plastic bushing, and hinge onto the opposite forward pivot pin and pull seat to hinge ("L" part of hinge is over the side edge of the seat and the rubber bumper on the hinge is toward the front part of the seat). Insert two 1/4-20 x 1-1/4" fillister head screws and hand-tighten.
   e. The seat hinges should be adjusted tight against the shoulder of the pivot pin and should be parallel to the leg tube. The seat should be centered on the hinges. Securely tighten all four screws.

5. Flip seat up and down several times to insure that it pivots and returns to upright position freely. Adjust hinges as necessary. If side-to-side play exists in the seat, readjust hinges moving them outward toward the legs, or if hinges have been adjusted to their maximum, add additional nylon washers. **It is critical to insure full engagement of the hinge onto the hinge pin.**

6. Attach armrest with #8 x 3/4" sheet metal screws; two per arm without tablet arm, three per arm with tablet arm. Left and right aisle arms have partial cut out slots to allow clearance for a single back bracket. Center arms have thru slots to allow clearance for two back brackets. Center the armrest on the leg and tighten securely.

7. Tighten all floor attachments securely.
Figure 4 - Acclaim - Exploded Assembly

1/4-20 x 1/2" PH PN HD MS

1/4-20 x 1/2" PH PN HD MS

#8 x 3/4" PH PN HD SMS

FLOOR ATTACHMENT SCREW
(TYPE & LENGTH DEPENDENT UPON FLOOR TYPE & COVERING)

C'SINK EXT TOOTH LOCK WASHER

DETAIL "A"

1/4-20 x 1-1/4" PH FILLISTER HD MS

FLAT NYLON WASHER

PLASTIC BUSHING

Installation Instructions Acclaim Auditorium Seating
Figure 5 - Acclaim - Floor Mounting Details
Maintenance Instructions

The Acclaim chairs are designed and built for years of reliable service. The durability and beauty of the chair will however, be greatly enhanced with proper care and inspection, as described below. Each project will be provided with an Operations and Maintenance (O&M) Manual which will describe in detail the maintenance measures to be taken by onsite personnel. For more information on the care of the veneer and fabric components of your product, please refer to the Finishes section of the Theatre Solutions binder.

Preventative Maintenance

Inspection and Cleaning
In the first year after the original installation, it is recommended that the chairs be inspected quarterly to insure that all chairs remain secure to the floor, and that the seats and backs remain tight to the leg frames. After the first year, this inspection interval can become longer, but should never exceed 6 months.

Lubrication
There are no components in the Acclaim chair which require lubrication. Seat pivot hinges include a nylon bushing to insure silent and consistent performance.

Periodic Readjustment
Besides inspecting for loose screw attachments, there should not be any routine need for readjustment. If, however, a loose connection is discovered, please refer to the appropriate drawing and instructions for installing the subject component. These drawings and instructions can be found in the O&M Manual.

Corrective Maintenance

The Acclaim chair has been designed and tested to achieve optimum performance and durability. In general, onsite maintenance personnel can provide the appropriate service to correct problems if they have the necessary spare parts and installation instructions.

Troubleshooting
In the event that a problem with the performance or finish of the chair occurs, it is often possible for immediate on-site remedies. TSI recommends that any loose component should be inspected for any visible evidence of breakage. If evidence is found, the part should be immediately replaced. If there is no evidence of breakage, the attachment hardware should be checked to insure tightness.

Obtaining Replacement Parts
A complete list of spare parts provided with the original installation is included in the O&M Manual. If any additional parts are required, simply contact Theatre Solutions and refer to the appropriate part number or the description listed in a drawing depicting the component.

Service Calls
For service work which cannot be executed by building user, contact Theatre Solutions and we will assist in arranging for a visit by qualified technicians.

Shipping Back to Theatre Solutions
Prior to returning any component part(s) to Theatre Solutions, please contact us by phone or fax for instructions on packaging and shipment method.