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Chairs shall feature fully welded, tubular steel frames with molded plywood seat, back and arm components. Chairs are available in three sizes; Adult, Juvenile and Youth. Adult chairs may be specified with or without arms. Adult and Juvenile chairs are available in upholstered and caster models. Adult and juvenile versions may be stacked up to five(5) high, the youth version up to three(3) high.

SEAT AND BACK: The seat and back shall be 3/8" thick, molded, hardwood veneer core plywood. Exposed faces shall be premium rotary white maple or red oak. Each formed component shall include an odd number of alternating, void free, inner plies. Components shall feature multiple, complex, compound curves forming an integral and ergonomically correct unit. Edges shall be sanded smooth, eased for comfort and finished to match the face finishes.

The back shall be precision routed to interface with milled grooves at the inner quadrants of both rear leg/post components and shall lock securely and seamlessly to these components with injection molded, ABS domed caps and tamper resistant, stainless steel fasteners. The tamper resistant fasteners shall pass through a hole located at the upper rear of the leg/post and shall engage the back and cap. Backs also feature a routed handle hold near the top and centered in the back. A number of laser images may be cut into backs; these images are treated as custom and are subject to pricing based on the complexity of design.

The seat shall be fitted with matching specie hardwood cleats. Each cleat shall be milled to fit securely into slots cut along the bottom of the seat blank. Each cleat shall be fitted with two(2) #8-32 T-nuts, imbedded in the rear side of the cleat, offering the advantage and strength of pull-through construction. The cleats shall be assembled to the seat bottom with glue and shall be held under pressure until the glue has set. Each seat shall fasten to the tubular frame with four(4) #8-32 x 1-1/4" long machine screws. The screws shall pass through the frame members and shall engage the inserts imbedded in the seat cleats.

Upholstered Seats shall be the same as the wood seats above and shall include a fabric covered, foam lined, molded plywood appliqu . The molded plywood pan shall be formed to match the unique contour of the finished veneer seat. The core shall be 3/16" thick, multiple ply, hardwood, veneer core with alternating plies. The pan shall be perimeter cut to set back and follow the outer shape of the finished veneer

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seat, forming a finished perimeter reveal detail. Each pan shall be fitted with eight(8) #8-32 T-nuts, inserted into the top side and allowing eight(8) #8-32 machine screws to pass through the finished seat and seat pan and engaging the T-nuts on the opposite side. A layer of 1/2" thick, medium density foam shall be adhered to the face side of the plywood pan with the final upholstery being adhered over the foam and brought around the pan where it shall be securely fastened to the bottom side of the pan.

ARMS: The arms shall be 1/2" thick, molded, hardwood veneer core plywood. Exposed faces shall be premium rotary white maple or red oak. Each formed component shall include an odd number of alternating, void free, inner plies. Arms shall be 2-1/4" wide and shall feature a radius on the front which shall follow the curve of the sup- port frame. Arms shall attach to the support frame by passing four(4) 1/2" #8 truss head screws through a 12 gauge welded flange and into the back side of the arm.

FRAMES: Frames shall be fabricated from 14 gauge, hot rolled and pickled in oil steel tubing. Components are precision cut and formed on computer numerically controlled tube processing equipment. Assembly fixtures shall be used to produce frame of repeated accuracy. Frames are TIG welded at all joints. The front legs and rear leg/posts are 1" diameter 14 gauge stock. The seat support frames are 7/8" diameter 14 gauge stock. The arm supports are 1/2" diameter, 1018 solid bar stock with a 12 gauge arm flange welded along the outside, upper quadrant. Each rear leg/post is slotted to accept the formed back. The interior of the leg/post shall receive a socket, welded into the inner front face and used in conjunction with a tamper resistant screw; to secure the back into the frame. Where casters are to be used; frames are fitted with a 7 gauge weld nut; set into the bottom of the leg, allowing for the caster and a mating lock nut.

DOMED CAPS: Each rear leg/post of the chair shall be fitted with a domed closure cap. This cap shall be injection molded from recyclable, ABS material and shall be offered in black and arctic silver. The cap shall be designed to interface with the rear leg/post of the chair frame and molded plywood chair back. The cap shall feature an apron flange that drops into the rear leg/post, becoming trapped by the plywood back during assembly. The upper dome area of the cap shall be split to encompass the rear outer corners of the plywood back.

UPHOLSTERED SEAT BUMPER TRAY: Upholstered seat versions of the chair are fitted with a bumper tray. The tray has a vacuum formed contour, matching the reverse contour of the fabric covered seat assembly. This allows for the chairs to be stacked without damaging the fabric or cushion or leaving impressions. The tray shall be fabricated from .125" gauge, black, haircell, textured, 100% regrind ABS. The forming of the tray shall allow assembly into the bottom side of the chair and shall wrap into the frame work, trapping the pan within the final assembly.

SEAT BUMPER: Non-upholstered versions of the chair shall be fitted with four(4), 7/8" diameter, contoured, cushioning bumpers; coped to fit the corresponding frame. The bumpers shall be injection molded black polypropylene. Each bumper shall be located on and fastened to the 7/8" diameter frame tubing, facing down and preventing damage when chairs are stacked. Each bumper is held to the frame with one(1) 1/2" #8 pan head screw.

CASTER: Each leg of a caster style chairs shall be fitted with one 1-3/8" diameter, dual wheel, full swivel, non-locking caster. The casters shall be fabricated from textured black nylon-6 and shall include a 5/16"-18 x 5/8" threaded mounting stem, along with a 1/2" hex nut drive and locking nut. The caster stem shall engage a weld nut located in the bottom of the chair leg. The overall width of the caster shall be 1-7/8", with a mounting height of 1-1/2". The tire surface area shall be 1-1/8" with a turning radius of 1-1/4". Each caster shall have a load rating of 90 lbs. and shall be tested to both DIN/EN 12529 and international ANSI/BIFMA 5.1 standards.

GLIDES: Each leg of a glide version chair shall be fitted with a domed, insert floor glide; allowing the chair to be moved about without damaging floor coverings. The glide shall be injection molded, black, low density polyethylene. The glides shall feature a pair of fins to center and hold the glide in the chair leg. The glide dome shall be 1" diameter and 1/2"H.

TJ ARM CHAIR



Height:	34-1/4"
Depth:	21-1/4"
Width:	24-1/4"
Seat Height:	18"
Seat Depth:	16-1/2"
Arm Height:	25-1/2"

TJ SIDE CHAIR



Height:	34-1/4"
Depth:	21-1/4"
Width:	19-7/8"
Seat Height:	18"
Seat Depth:	16-1/2"

TJ JUVENILE SIDE CHAIR



Height:	32-1/4"
Depth:	21-1/4"
Width:	19-7/8"
Seat Height:	16"
Seat Depth:	16-1/2"

TJ YOUTH SIDE CHAIR



Height:	25-3/4"
Depth:	16-1/4"
Width:	15-3/4"
Seat Height:	14"
Seat Depth:	12-1/4"



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