place®

Public seating. Personal space.

Designed by
Curt Fentress &
Michael McCoy

ARCONAS®
exceptional public seating

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OVERVIEW

Designed by Curt Fentress and Michael McCoy for Arconas
US Design Patent – **D685,201** Ⓓ Registered Design

Place is a beam seating system optimized for high functionality in an airport environment. It provides the perfect combination of comfort and ergonomics, under seat storage space for luggage, integrated power for personal electronics, optional arms, tablet work surfaces, cup holders and tables.

Place is ergonomically contoured based on the Dreyfuss Humanscale for remarkable comfort and support for long waiting periods in indoor environments.

Place offers single straight 2-5 seat units. They can also be configured as back-to-back connected units.

FEATURES

SUPPORTING BEAM

The supporting beam is made from a robust 5 1/4" x 4 3/8" (130mm x 110mm) triangular aluminum extrusion with 3/16" (4.8mm) thick walls. The beams are heat treated to T5 temper for maximum strength.

The front and bottom surfaces of the beam incorporate four T-Slot grooves. These are used to attach the legs, seats, arm, tablets and tables without the need to machine mounting features into the beam. The T-Slot grooves will permit easy re-configuration of the seating at any time without changing the beam.

The ends of the beams are closed with moulded ABS end caps. The end caps press in and are fixed in place by set screws.

LEGS

`The front and rear leg are incorporated in a single arch shaped casting. The arch is formed in a T-Shaped profile to achieve stiffness and strength with minimal weight and a slim appearance. The legs bolt to the T-Slot grooves on the bottom of the beam. Each leg casting includes 2 die cast adjustable glides. Optional anti-slide glides or floor-fastening glides are available for hard surfaces.

SEATS

A Place seat position consists of a seat pan, a back pan, 2 hanger castings and 2 seat clamps.

The seat and back pans are made from formed ¾" x 16 ga steel tube welded to a formed 16 ga sheet. Each has 4 weld nuts for attachment to the aluminum hanger castings.

The hanger castings include 2 cantilever hooks on the rear surface. When a unit is assembled, the seat and back are attached to the castings (four ¼-20 screws) and the castings are hooked into the front T-Slots on the beam in the correct position. Each casting is secured to the beam by a seat clamp attached to the T-Slots on the underside of the beam.

The beam is located behind the seats allowing the complete volume below the seats to be available for the storage of luggage (legs excepted). The large clearance allows easy inspection for lost or unwanted items.

SEAT AND BACK CUSHIONS

The seat and back cushions are made of molded high resiliency polyurethane foam over the seat and back pans. A thin layer of foam is added to the underside of the seat and the rear of the back to provide added comfort and a more tailored look.

Seat and back cushions are upholstered using slipcovers. The slipcovers can be replaced in the field by trained maintenance personnel without disturbing adjacent seats.

The seat cushion is 2 ½" thick and the back cushion is 2" thick.

UPHOLSTERY

The seat and back cushions are upholstered using slip covers. This will allow field replacement of damaged or worn upholstery by trained personnel.

There are no seams in the seat and back slipcover design in the high wear areas in the centre. The front and top edges use a waterfall approach to minimize wear on those edges. The seams are sewn using French stitching.

The zipper closures are hidden to minimize tampering and vandalism.

ARMS AND TABLETS

The aluminum arm casting is used to support either a dense self-skinning polyurethane arm cap or a tablet. The arm casting attaches to the 2 T-Slots on the front face of the beam.

The tablet surface is 19" x 6" (480 x 150 mm). It can be used to support personal electronics, to hold snack items, for writing, etc. Optionally, tablets are available with a wire frame cup holder can be built into the front edge of a tablet to minimize spillage. The tablet is made from ½" phenolic core paneling mounted on a 10 ga steel base.

TABLES

Standard tables can be located in any seat position along a beam. Tables are supported by 2 aluminum castings styled like the arm castings. The table supports attach to the 2 T-Slots on the front face of the beam.

The tables are 20" x 20" (510 x 510 mm). Optionally, tables are available with 2 wire frame cup holders can be built into the front edge of a tablet to minimize spillage. The tables are constructed from ½" phenolic core paneling.

INTEGRATED POWER

Optionally, Place can be equipped with an optional fully-integrated electrical system to power users' personal electronic devices.

The electrical connections are housed within power pods at the base of each arm. Users can plug into the pods easily by reaching between the seats. Each pod is equipped with an AC connection and 2 USB power ports. A blue LED pilot lamp indicates that power is available.

In North America the AC socket is the typical 120 VAC 3-prong style (NEMA 5-15R). Power pods are also available with 230 VAC UK (BS 1363) and European Schuko (CEE7/7) sockets.

The USB ports provide up to 2.1A of 5 VDC for charging cell phones, tablets, MP3 players and other personal electronic devices.

A combination switch, circuit breaker and power inlet is mounted on the underside of each beam. The switch is illuminated when the power is on. The inlet is an IEC C14 socket. The circuit breaker limits the total current to 12 A.

A standard 6' power cord is used to connect to a wall or floor socket. Alternate length cords are available to suit a particular installation. Upon ordering, the buyer can specify that the inlet be located on the right or left end (as seated). Excess cord length can be passed through the seat clamps to provide tidy cord dressing.

Opposite the inlet, each beam is equipped with a C13 outlet connection. Using a jumper cable, the power pods on 2 units can be powered from a single source. The total current to both units is limited by the inlet circuit breakers to 12 A. All cords have 14 ga conductors.

The raceway for the electrical wiring is located in an opening in the bottom of the beam. It is hidden from sight and cannot be accessed without tools.

The electrical assembly will be inspected and labeled to the National Electrical Code (USA) or the Canadian Electrical Code.

ASSEMBLY

Units are shipped knocked-down (KD). Modules can be switched out without disassembling units. Detailed assembly instructions are provided.

FINISH

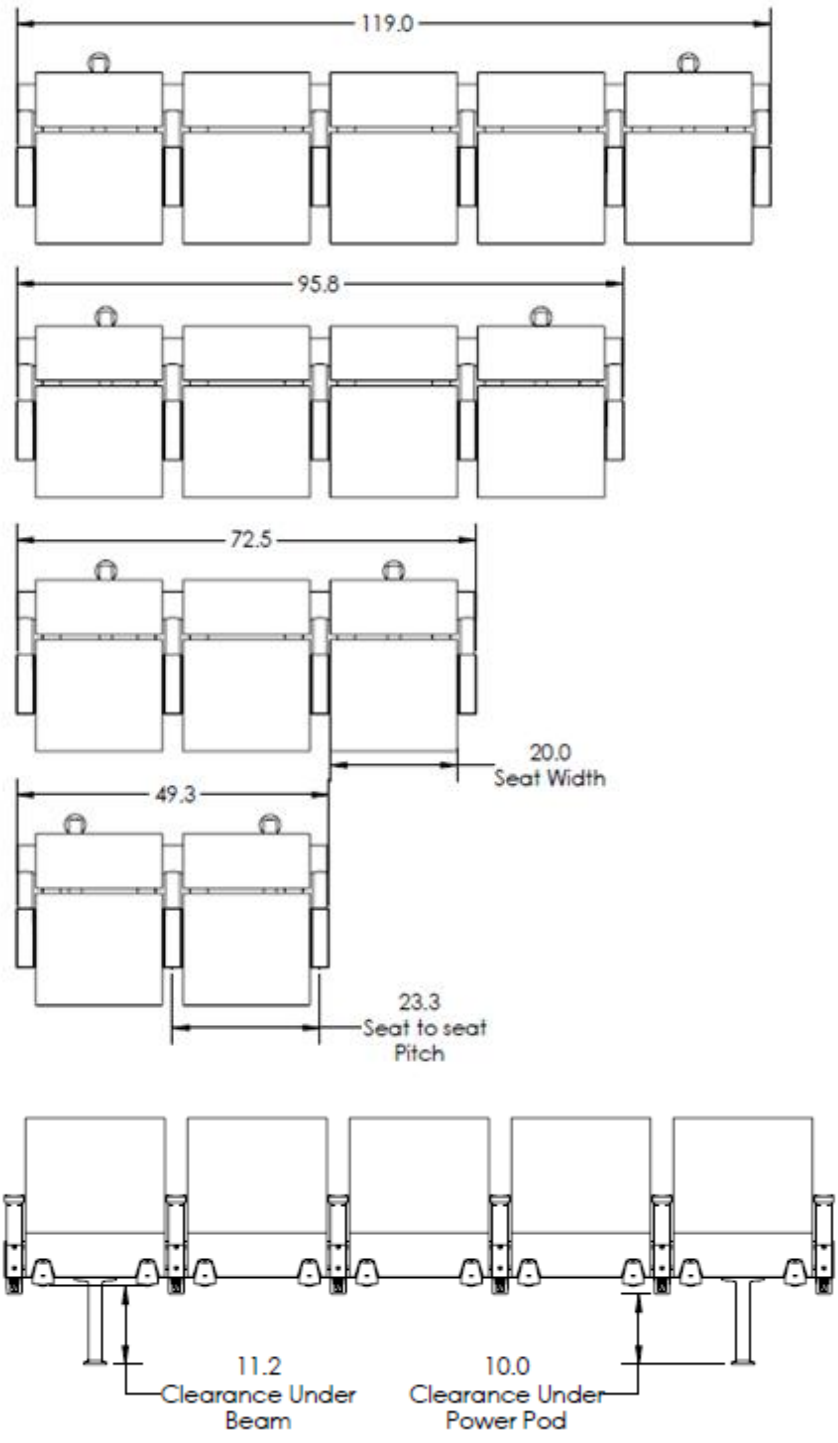
Aluminum Castings – Bright polish and/or shot blast with clear coat
Aluminum Extrusions – Clear anodized

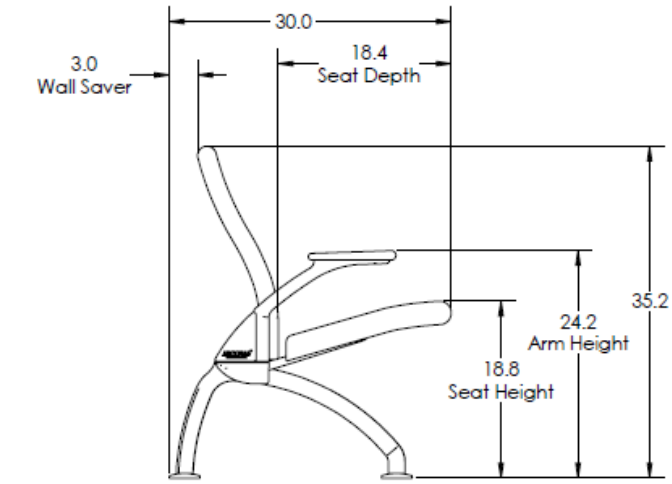
SPECIFICATIONS FOR **ALUMINUM**

Castings are cast with an Aluminum alloy exhibiting the following minimum properties:

Tensile Strength:	40,000 PSI
Yield Strength:	27,000 PSI
Elongation:	1.0%
Brinell Hardness:	90 (500 kg/10 mm Ball)
Shear Strength:	24,000 PSI

TYPICAL DIMENSIONS

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Seat Depth
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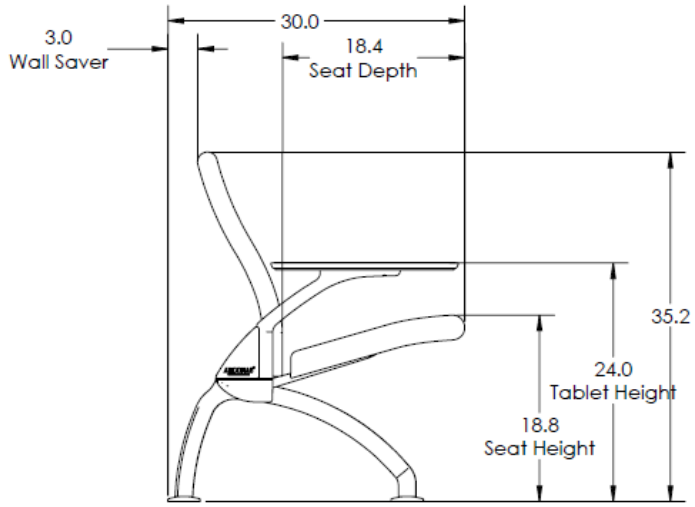
Wall Saver
35.2
24.2
Arm Height
18.8
Seat Height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Wall Saver
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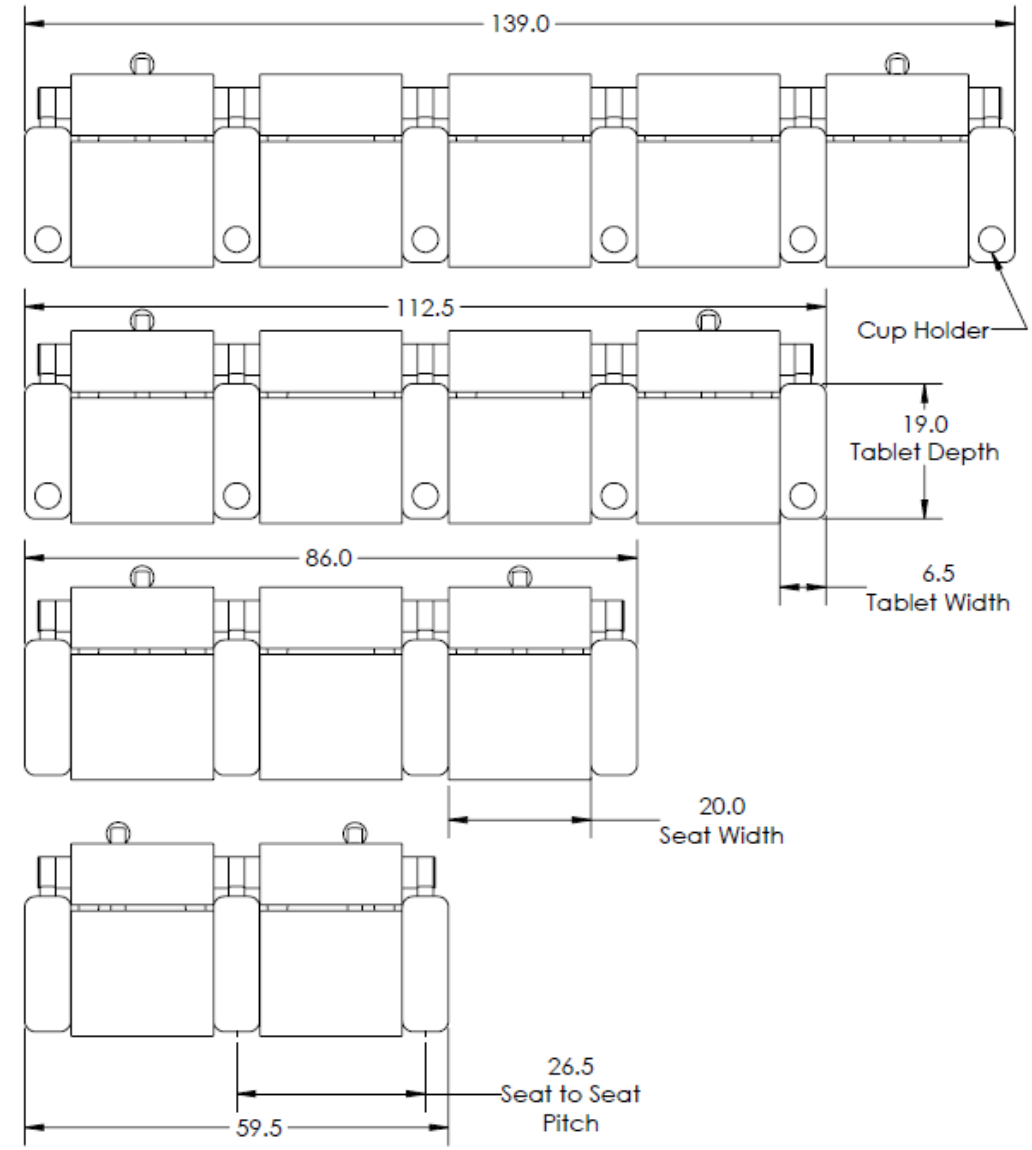
24.0
Tablet Height
18.8
Seat Height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Cup Holder
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Tablet Depth
6.5
Tablet Width
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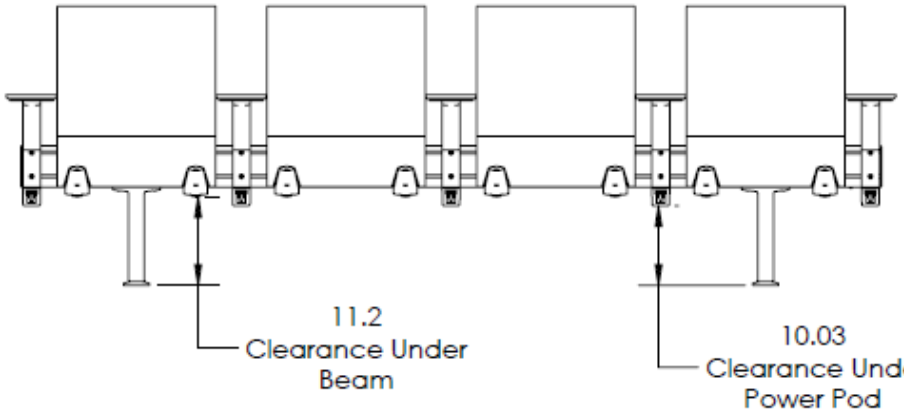
20.0
Seat Width
26.5
Seat to Seat
Pitch
59.5


11.2
Clearance Under
Beam
10.03
Clearance Under
Power Pod