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Supplemental Tech Information:

Starting at this page, a variety of supplemental planning information sources which support the installation of the A-dec 411 Dental Chair are provided.

Full Size Templates:
86.0385.00: A-dec 411 Related Modules Template
(w/ Track & Ceiling Light and Floor Box)
85.0472.00: A-dec Floor Box Templates

Pre-Installation Guide:
86.0375.00: A-dec 411 and Related Systems Pre-Installation Guide

Installation Guides:
86.0378.00: A-dec 400 System with A-dec 300 Modules Installation Guide

For ceiling mounted dental lights and monitor mounts, see the installation guide specific to the product to be installed.

DISCLAIMER NOTICE:

A-dec Inc. makes no warranty of any kind with regard to the content in this document, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose.

The customer must consult with planning and inspection authorities for compliance with local, state, federal codes and Americans with Disabilities Act.

The customer assumes all responsibility in assembling and using this document.

a-dec Full-Size Templates

INSTALLATION INSTRUCTIONS and TEMPLATES for SPOTTING EQUIPMENT PLUMBING and ELECTRICAL supplies for A-DEC 400 SERIES DELIVERY SYSTEMS.

A-dec 411 Chair

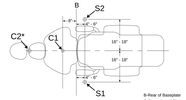
A-dec 411 Chair w/ A-dec 400 Floor Box & 6300 Track Light

86.0386.00 rev. B 2012-03

Recommended Monitor Mount Placement

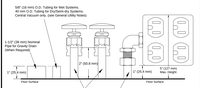
The table and diagram below show recommended locations to place the A-dec Ceiling Monitor Mount. Primary recommendations minimize light and monitor arm interference.

IN THE SYSTEM WE THINK THIS OF LIGHT	INSTALL THE MONITOR MOUNT HERE	
	Primary Recommendation	Secondary Recommendation
Track Mounted Ceiling Light	C2*	S1 or S2
Floor-Mount Living Light	C1	S1 or S2
Chair Mount Light	S1 or S2	C1
Patient-Mounted Light	S1 or S2	C1



* If installing at C2, position the monitor mount a minimum of 9-1/2" (190 mm) in front of the track light (towards 12 o'clock). NOTE: C2 position restricts occlusion use of monitor by some patient positions.

A-dec 400 Plumbing Elevations:



PLEASE NOTE: This drawing is for reference purposes ONLY. It is NOT TO SCALE.

GENERAL UTILITY NOTES:

1. This template shows the typical methods for locating the floor box utility centers with relationship to the dental chair.
2. Local regulations provide that licensed plumbers and electricians shall install utilities.
3. Make sure ALL plumbing and utilities conform to prevailing local codes.

AIR:

Supplied by the contractor: 1/2" (13 mm) nominal pipe compression fitting, protruding 7" (51 mm) from finished floor or wall

Supplied by the dental dealer installed by the contractor: Right angle manual shutoff valve

Air requirements: 80-100 psi (550-690 kPa), 2.5 SCFM (71 L/min) minimum, during normal use. 1.5 SCFM (510 L/min) peak intermittent flow

The air plumbing should be flushed clean before making final connections to the dental equipment.

WATER:

Supplied by the contractor: 1/2" (13 mm) nominal pipe compression fitting, protruding 7" (51 mm) from finished floor or wall

Supplied by the dental dealer installed by the contractor: Right angle manual shutoff valve

Water requirements: 65±20 psi (450±140 kPa), 1.8 gpm (6.7 L/min) minimum, not to exceed 104°F (40°C)

The water plumbing should be flushed clean before making final connections to the dental equipment. City water plumbing must be installed with a back flow prevention device installed in accordance with local codes. A-dec does not recommend without a self-contained water system (holder. A-dec discourages customers from bypassing the self-contained water system and doing so may cause the equipment to not conform to local codes).

ELECTRICAL:

Supplied by the contractor: 120° (13 mm) conduit and box with hospital grade quad or single receptacle (which shall be oriented vertically and secure, (or just inside, for **A-dec 400 floor box**: the top of the receptacle should be no higher than 6" (127 mm) above the finished floor). Voltage: 115 volts, 3 wire

CENTRAL VACUUM

Wet systems: Plumbing should terminate with 5/8" (16mm) O.D. tube protruding 7" (26 mm) perpendicular to the floor, or 2 x 2 in fig. 3 ell minimum

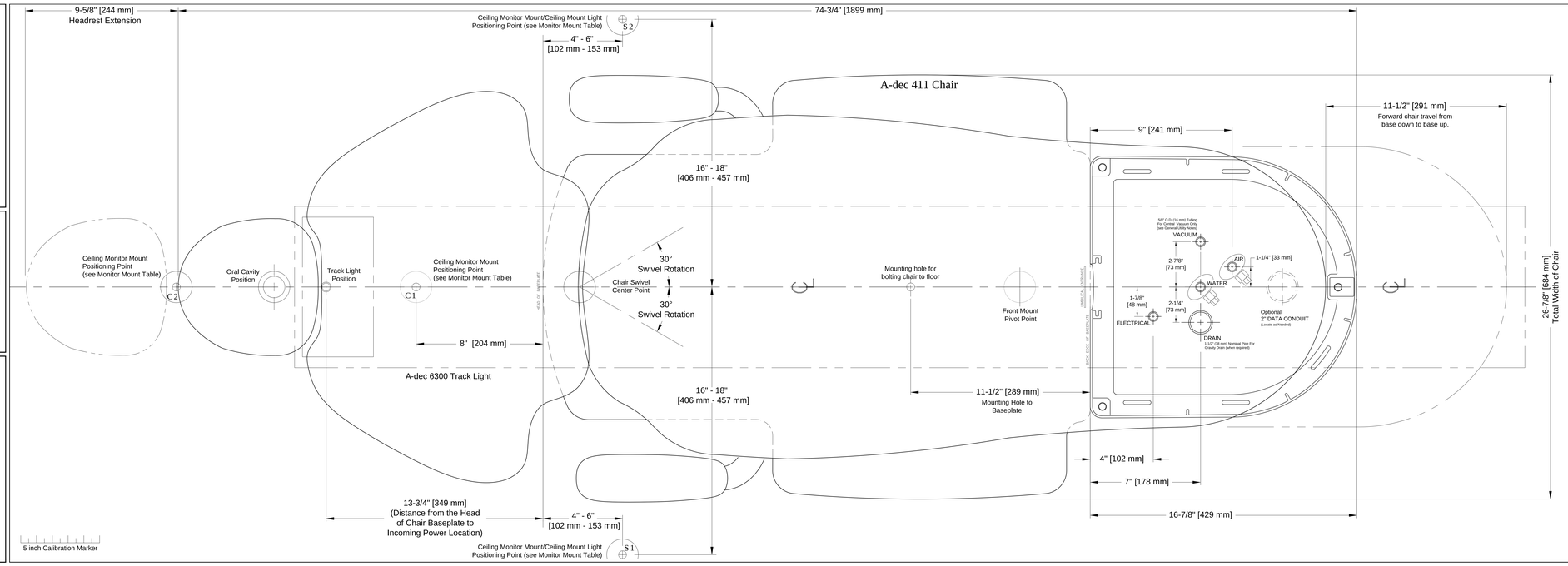
Dry/semi-dry systems: Plumbing should terminate with 1-1/2 (40 mm) O.D. tube protruding 7" (26 mm) perpendicular to the floor, 4.5x1 in fig. 12 SCFM minimum

Plumbing up to the floor box utility center should be specified by the central vacuum supplier and terminated in the utility center.

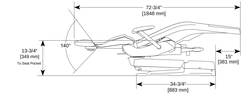
GRAVITY DRAIN:

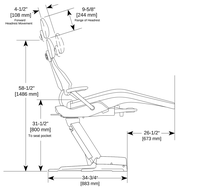
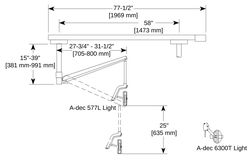
Supplied by the contractor: Floor recycling only: 1-1/2" (38 mm) nominal pipe protruding 7" (26 mm) from finished floor (Trap trap is the to conform with local codes.)

PLEASE NOTE: Use this template for plumbing and electrical locations only. Use the actual floor box base to locate the floor box mounting holes.



A-dec 411 Dental Chair





A-dec Track Light