

ANDREW M. CUOMO Governor

ALFONSO L. CARNEY, JR. Chair

REUBEN R. MCDANIEL, III President & CEO

# **SECTION A**

**ALBANY (HEADQUARTERS):** 515 Broadway, Albany, NY 12207 | 518-257-3000 **NEW YORK CITY:** One Penn Plaza, 52nd Floor, New York, NY 10119 | 212-273-5000

**BUFFALO:** 539 Franklin Street, Buffalo, NY 14202 | 716-566-4400

ROCHESTER: 3495 Winton Place, Building C, Suite 1, Rochester, NY 14623 | 585-461-8400

DORMITORY AUTHORITY STATE OF NEW YORK

WE FINANCE, DESIGN & BUILD NEW YORK'S FUTURE.

www.dasny.org



BID NO.: 690 PROJECT NAME & LOCATION:

Broome Developmental Center 249 Glenwood Rd. Binghamton, NY

**Description**: Furnish and Deliver Dentsply Sirona Dental Equipment

**Bid Open Location**: DASNY

515 Broadway, Albany, NY 12207

**Bid Open Date**: August 12, 2021 Contact: Theresa Graffeo

**Bid Open Time**: 2:30 p.m.

### **NOTICE TO BIDDERS**

# **MAIL BIDS EARLY**

Sealed bids will be received by DASNY at the above address for the items listed in the attached Bid Breakdown and Schedule. When submitting your bid you must:

- 1. Prepare your bid on the attached Bid Breakdown and Schedule. Return one signed original of the Bid Breakdown and Schedule
- 2. If your bid deviates from Specifications, explain such deviations or qualifications on your letterhead, setting forth therein such explanations, and attach them to the Bid Breakdown and Schedule.
- 3. Submission of a bid constitutes full knowledge and acceptance of all provisions of the Notice to Bidders, all information referenced in the Purchasing General Conditions, Supplemental and Detailed Specifications, the Bid Submission and any Supplemental General Requirements contained herein, as well as any addenda issued in relation to the Invitation for Bids.
- 4. Each bid shall bear on the outside of the envelope the name of the bidder, address, telephone number and designated as a bid for the following:

DASNY Bid No. 700

Bid Opening Date: 8/12/2021 @ 2:30PM

Return to: DASNY

Attn: Purchasing Unit

515 Broadway

Albany, NY 12207-2964



Bid No.: 700

When a sealed bid is placed inside another delivery jacket, the bid delivery jacket must be clearly marked on the outside "BID ENCLOSED" and "ATTENTION: PURCHASING UNIT". The Dormitory Authority will not be responsible for receipt of bids which do not comply with these instructions.

- 5. Mail bid responses early in order for them to be received before the time of the bid opening. <u>Late bids will be automatically rejected</u>. Individuals submitting bids in person or by private delivery services should allow sufficient time for processing through building security to assure that the bids are received prior to the deadline for submitting bids. All individuals who plan to attend bid openings will be required to present government-issued picture identification to building security officials and obtain a visitor's pass prior to attending the bid opening.
- 6. In accordance with State Finance Law § 139-j and 139-k, this solicitation includes and imposes certain restrictions on communications between Dormitory Authority personnel and an Offerer during this procurement process. Designated contact for this solicitation is:
  Theresa Graffeo , at Dormitory Authority State of New York, 515
  Broadway, Albany, NY 12207, 518-257-3583. Contacts made to other Dormitory Authority Personnel regarding this procurement may disqualify the Offerer and affect future procurements with governmental entities in the State of New York. Please refer to the Authority's website <a href="www.dasny.org">www.dasny.org</a> for Authority policy and procedures regarding this law, or the NYS office of General Services website <a href="www.ogs.ny.gov/BU/PC/">www.ogs.ny.gov/BU/PC/</a> for more information about this law.



Bid No.: 700

# If you are not submitting a bid it is requested that you complete and return the lower portion of this form

(Please check all that apply and provide comments in the space provided, if necessary)

We are bid.	not Submitting a	We Request remo list.	val of our na	me from the mailing
	n of the job site.	Commodity is not	carried by οι	ır company.
	s too large.			
Other/Addition	onal Explanation:			
NAME OF BIDDER: ADDRESS				
:	Street Telephone	City	State	Zip
Sign	ature of Bidder			Official Title



### **CLAUSES PURSUANT TO THE OMNIBUS PROCUREMENT ACT OF 1992**

It is the policy of New York State to maximize opportunities for the participation of New York State business enterprises, including minority and woman-owned business enterprises as bidders, subcontractors and suppliers on its procurement contracts.

Information on the availability of New York subcontractors and supplies is available from:

Empire State Development Small Business Division 30 South Pearl Street, 7<sup>th</sup> Floor Albany, NY 12207 Phone: (800) 782-8369

A directory of minority and woman-owned business enterprises is available from:

Empire State Development Division of Minority and Women Business Development 30 South Pearl Street Albany, NY 12207

Phone: (518) 292-5250

Online Directory: <a href="https://ny.newnycontracts.com/FrontEnd/VendorSearchPublic.asp">https://ny.newnycontracts.com/FrontEnd/VendorSearchPublic.asp</a>
DASNY maintains a directory of minority and women-owned business enterprises: <a href="http://www.dasny.org/construc/mwsbereg/index.php">http://www.dasny.org/construc/mwsbereg/index.php</a>

The contractor acknowledges notice that New York State may seek to obtain offset credits from foreign countries as a result of this contract and agrees to cooperate with the State in these efforts.

DASNY encourages the use of recycled Materials in the manufacturing process. To that end, the recycled product must meet the same codes, specifications and standards the non-recycled materials do, including requirements for cost, installation, aesthetics, availability and maintenance.



The Omnibus Procurement Act of 1992 and § 2879 of the NYS Public Authorities Law require that by signing this bid, contractors certify that whenever the total bid amount is greater than \$1 million:

- 1. The contractor has made reasonable efforts to encourage the participation of New York State Business Enterprises as suppliers and Subcontractors on this project, and has retained the documentation of these efforts to be provided upon request to the State. If the contractor determines that NYS business enterprises are not available to participate on the contract as subcontractors or suppliers, the contractor shall provide a statement indicating the method by which such determination was made. If the contractor does not intend to use subcontractors, contractor shall provide a statement verifying such;
- 2. The contractor has complied with the Federal Equal Opportunity Act of 1972 (PL 92-261), as amended; and
- 3. The contractor agrees to make reasonable efforts to provide notification to New York State residents of employment opportunities on this project through listing any such positions with the Job Service Division of the New York State Department of Labor, or providing such notification in such manner as is consistent with existing collective bargaining contracts or agreements. The contractor agrees to document these efforts and to provide said documentation to the State upon request.

DASNY is required by law to notify the NYS Department of Economic Development of any procurement contract for one million dollars or more that is to be awarded to an out-of-state vendor. This notice must be done simultaneous to the notification of award provided to the vendor. A purchase order or contract cannot be issued until fifteen (15) days after such notification is provided.



NYS' official source of contracting opportunities Bringing business and government together

# **Contracting Opportunity**

\* \* \* This ad has not been published. It has been reviewed and pending publication. \* \* \*

Title: Broome DDSO - Furnish & Deliver Dentsply Sirona Dental Equipment

Agency: Dormitory Authority of the State of New York

**Division**: Procurement

Contract Number: 700

**Contract Term**: One Time Purchase

Date of Issue: 07/22/2021

Due Date/Time: 08/12/2021 2:30 PM

County(ies): All NYS counties

**Location**: Broome DDSO

Classification: Medical & Laboratory Equipment - Commodities

**Opportunity Type:** General

**Entered By:** Christine Donahue

Description: Furnish, and deliver Dentsply Sirona dental equipment.

Firms interested in responding to this solicitation may access the Bid and related

documents from DASNY's Website at: http://www.dasny.org/rfp-bido

pportunities-solicitations/purchasingservices/new.aspx

All Bid Documents are listed under the Attachments Section. All bidders are responsible for obtaining any addenda issued and posted to <a href="www.dasny.org">www.dasny.org</a> in relation to this Bid. In accordance with State Finance Law § 139-j and § 139-k, this solicitation includes and imposes certain restrictions on communications between Dormitory Authority personnel and an Offeror during the procurement process. Designated staff for this procurement are listed below. Contacts made to Dormitory Authority personnel regarding this procurement may disqualify the Offerer and affect future procurements with governmental entities in the State of New York. Please refer to the Authority's website (www.dasny.org) for Authority policy and procedures regarding this law, or the OGS website

(www.ogs.state.ny.us/aboutogs/regulations/ defaultAdvisoryCouncil html) for more information about this law. 1 of 4 All bidders, domestic and foreign, must be in compliance with New York State business registration requirements. Contact the NYS Dept. of State regarding compliance. Bids must be submitted in the bidder's full legal name, or the bidder's full legal name plus a registered assumed name, if any.

Service-Disabled Veteran-Owned Set Aside: No

# **Contact Information**

Primary contact: Dormitory Authority of the State of New York

Procurement Theresa Graffeo

**Purchasing Coordinator** 

515 Broadway

Albany, NY 12207-2964

United States Ph: 518-257-3583 Fax: 518-257-3468 tgraffeo@dasny.org

Secondary contact: Dormitory Authority of the State of New York

Procurement

Christine Donahue

**Assistant Purchasing Coordinator** 

515 Broadway

Albany, NY 12207-2964

United States Ph: 518-918-4106 Fax: 518-257-3103 cdonahue@dasny.org

Submit to contact: Dormitory Authority of the State of New York

Procurement Theresa Graffeo

**Purchasing Coordinator** 

515 Broadway

Albany, NY 12207-2964

United States Ph: 518-257-3583 Fax: 518-257-3468 tgraffeo@dasny.org

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# SUPPLEMENTAL SPECIFICATIONS

The fo	ollowing items are attached for informational purposes. Referenced documents need not be returned
contra Docun	he proposal. These documents are only applicable to the successful bidder and the ensuing procurement ct. Documents are only applicable to the successful bidder and the ensuing procurement contract. nents applicable to the procurement that will result from this Invitation for Bids are designated by a check.  Online the procurement of
	<u>Purchasing General Conditions</u> – The DASNY Purchasing General Conditions contains terms and conditions of purchases made by DASNY. It is recommended that this document be reviewed fully.
	<u>M/WBE Utilization Plan and Request for Waiver</u> - Minority and Women-Owned Business Enterprise (M/WBE) goals for this project are <u>0</u> % and <u>0</u> %, respectively. The successful bidder shall be required to complete a Utilization Plan or Request for Waiver, to be approved by DASNY's Opportunity Programs Group. Reference Purchasing General Conditions, Article XIX, Affirmative Action for Contracts Mr. Michael Clay, DASNY Opportunity Programs Group at (518) 257-3464, is available to assist all bidders in attaining these goals. <i>Reference the enclosed "Good Faith Efforts Guidelines"</i> .
	<u>Supplemental General Requirements</u> – Attached (if applicable) are the Supplemental General Requirements (SGRs) which provide important logistical information and additional conditions which govern this procurement. Please read these SGRs carefully.
	Form of DASNY Contract – The procurement resulting from the Invitation for Bids will be executed through a DASNY purchase order and a related contract. The contract executed with the successful bidder will be in the same substantial form as the attached "Form of Contract". Note that this Invitation for Bids and any response to such will be annexed as binding terms of the purchase agreement.
	<u>Certificate of Insurance</u> (sample enclosed) – The successful bidder will be required to provide a Certificate of Insurance pursuant to Article XIV of the enclosed Purchasing General Conditions. The certificate shall name DASNY and other designated parties as additional insureds.



# SUPPLEMENTAL SPECIFICATIONS CONTINUED

<u>Worker's Compensation / Disability Insurance</u> – The successful proposer will be required to provide specific documentation with respect to Worker's Compensation and Disability Insurance pursuant to Article XIV of the enclosed Purchasing General Conditions. Requirements are detailed in the enclosed "Workers' Compensation and Disability Benefits Requirements" document.
Prevailing Wage Schedule – NYS Labor Law requires all wages paid by contractors and subcontractors on public work projects be paid at the prevailing wage rates. Enclosed is the current rate schedule for the appropriate county. Contractors and Subcontractors are responsible for obtaining current rates throughout the course of the project. The NYS Department of Labor (NYS DOL) updates these rates on July1st of each year. Current rates can be obtained on the NYS DOL website (www.labor.state.ny.us) or by fax at (518) 485-1870. Note that an executed Contractor and Subcontractor Certification and certified payrolls, which include the hours and days worked by each workman, laborer or mechanic, the occupation at which he worked, the hourly wage rate paid and the supplements paid or provided, must be submitted with each and every payment requisition. DASNY will not process an invoice without this information. Forms are available on the DASNY website: <a href="http://www.dasny.org/construc/forms2/vendors.php">http://www.dasny.org/construc/forms2/vendors.php</a>
<u>Labor and Material Payment Bond</u> – The successful bidder must be prepared to provide surety bonds prior to award in accordance with Article XIV of the DASNY Purchasing General Conditions. The costs of these bonds are to be separately stated in the total bid price as indicated on the Bid Breakdown and Schedule.
<u>Performance Bond</u> – The Successful bidder must be prepared to provide surety bonds prior to award in accordance with Article XIV of DASNY Purchasing General Conditions. The costs of these bonds are to be separately stated in the total bid price as indicated on the Bid Breakdown and Schedule.
Standard Vendor Responsibility Questionaire (SVRQ) – The successful proposer, in accordance with Article XXII of DASNY Purchasing General Conditions, will be required to complete the enclosed SVRQ. The award of a contract will be subject to a review of the information contained in these forms.



# SUPPLEMENTAL SPECIFICATIONS CONTINUED

NYS Uniform Contracting Questionaire (UCQ) - The successful proposer will be required to
complete the enclosed UCQ. The award of a contract will be subject to a review of the information contained in these forms.
<b>DASNY Contractor and Consultant Questionaire (CCQ)</b> – The successful proposer will be required
to complete the enclosed CCQ. The award of a contract will be subject to a review of the information
contained in these



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# **Supplemental General Requirements**

All questions pertaining to Bid No. 700 — Furnish and Deliver Dentsply Sirona Dental Equipment are due no later than 4:00 p.m. July 30, 2021 to tgraffeo@dasny.org. RFI Responses will be posted via Addenda to DASNY's Website in the Attachments Section of the Bid Opportunity Page for Bid No. 700.



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**Detailed Specifications and Scope of Work** 



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# **Scope of Work:**

Furnish and deliver Dentsply Sirona Dental equipment items for Broome DDSO as provided in the Detailed Specifications. Provide inside delivery of all equipment items including unpackaging, uncrating and removal of all debris.



ANDREW M. CUOMO Governor Detailed Specifications ALFONSO L. CARNEY, JR. Chair

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# Manufacturer

<u>No.</u>	<u>Description</u>	<u>QTY</u>
	CAVITRON SYS ADEC 66GR W/360: Built in Cavitron Kit for	
8800201	Duo Cart	2
	CAVITRON POTENTIOMETER KIT: Built in Cavitron Potentiometer	
81365	Kit for Duo Cart	2
100007345	SCHICK 33 SZ2 6' STARTER KIT W/ CABLE&RMT	1
100007346	SCHICK 33 SZ1 6' STARTER KIT W/ CABLE&RMT	1
100007347	SCHICK 33 SZO 6' STARTER KIT W/ CABLE&RMT	1
6281252	ORTHOPHOS XG 3D READY PAN:	1
	RDH HYG HPC F/DISP ANGL:	
740010	Hygiene handpieces - 3 Pack	1

# Cavitron Built-In (G139) with 66 inch gray cable and Steri-Mate 360 handpiece - A-dec Configuration

SKU: 8800201



Cavitron Integrated Systems Built-In Ultrasonic Scaler

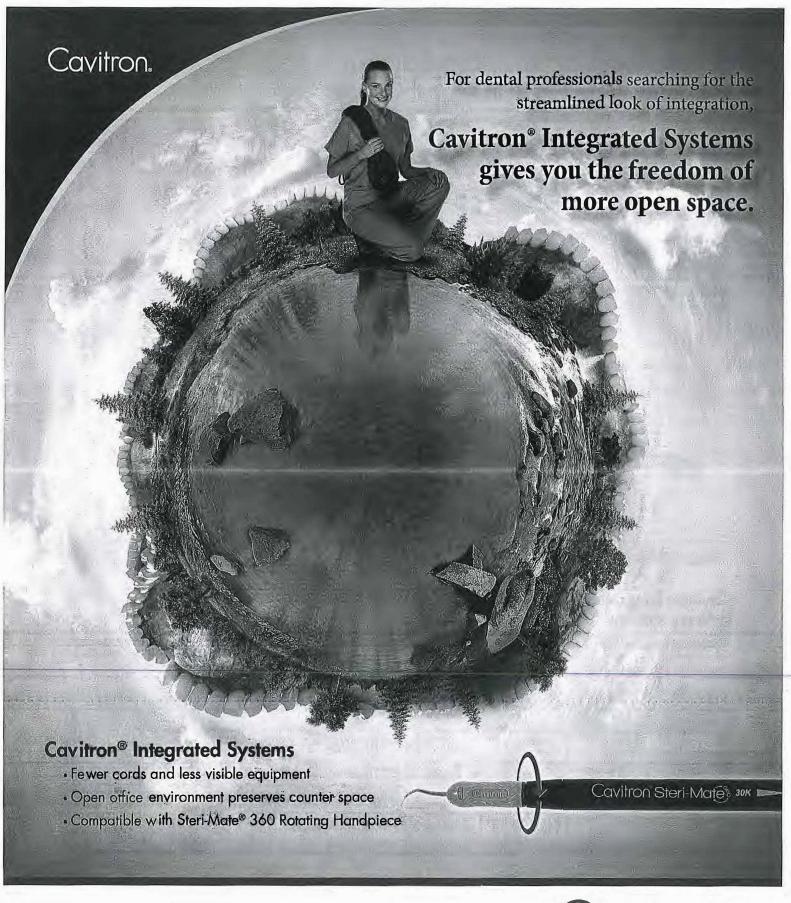
- · Fewer cords and less visible equipment
- · Open office environment preserves counter space
- · Compatible with Steri-Mate 360 Rotating Handpiece

### Features and Benefits

Cavitron Integrated Systems offer an open environment with the same benefits of traditional Cavitron units.

- Compatible with Steri-Mate 360, a rotating handpiece that allows the clinician to fully rotate an ultrasonic insert without stopping for adjustments
- Detachable and autoclavable handpiece reduces cross contamination for enhanced infection control
- Patented Sustained Performance System, SPS, Technology automatically adjusts power to maintain scaling efficiency, even at low power
- BlueZone extended low power range designed for improved patient comfort

Items included: (1) Cavitron Built-In Ultrasonic Scaler with 66" gray colored handpiece cable, (1) Steri-Mate 360 Detachable, Sterilizable Handpiece, (1) cable assembly with in-line water control and swivel connection, (1) 30K Focused Spray PowerLine 1000 FitGrip Ultrasonic Insert, pressure regulator for water, 2 Year Warranty on unit only, Instruction manual. Dimensions: 1.375" H x 3" W x 2.5" D, Weight: .28 Lbs.



There's only one Cavitron®.



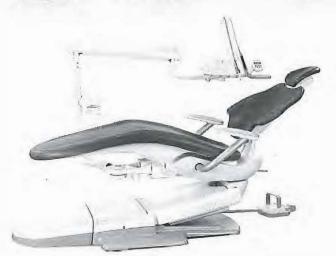
Cavitron® Integrated Systems offer an open environment with the same benefits of traditional Cavitron® units.

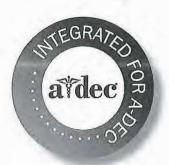
 Compatible with Steri-Mate® 360, a rotating handpiece that allows the clinician to fully rotate an ultrasonic insert without stopping for adjustments

 Detachable and autoclavable handpiece reduces cross contamination for enhanced infection control

 Patented Sustained Performance System, SPS™, Technology automatically adjusts power to maintain scaling efficiency, even at low power

 BlueZone<sup>™</sup> extended low power range designed for improved patient comfort





# Cavitron Integrated Systems integrate easily with A-dec 500® and A-dec 300® delivery systems.

For dental professionals searching for the streamlined look of integration, you are now able to combine Cavitron Systems with the convenience of integration into the A-dec 500 or A-dec 300 dental units. You can also put more technology at your fingertips with the A-dec deluxe touch pad, which gives you an intuitive display, easy-touch control, and programmable memory for preferred ultrasonic power settings.

tem	A-dec Integrated Part #	Description	Compatible With:
Cavitron A-dec Built-In Ultrasonic Scaler Kit	54.0599.00	Cavitron Steri-Mate 360 Install Kit, 61"	A-dec 532, 533, 542,
	54.0597.00	Cavitron Steri-Mate Install Kit, 61"	332, 333, 334, 335, 336
	54.0600.00	Cavitron Steri-Mate 360 Install Kit, 82"	-
	54.0598.00	Cavitron Steri-Mate Install Kit, 82"	A-dec 541

For an integrated Cavitron kit contact:

1.800.547.1883 Within USA 1.503.538.7478 Outside USA/Canada a-dec.com For a built-in Cavitron kit for field installation contact:

DENTSPLY Professional 1.800.989.8826 www.dentsply.com



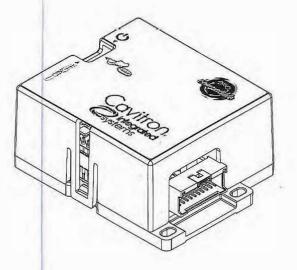
#### Installation Verification:

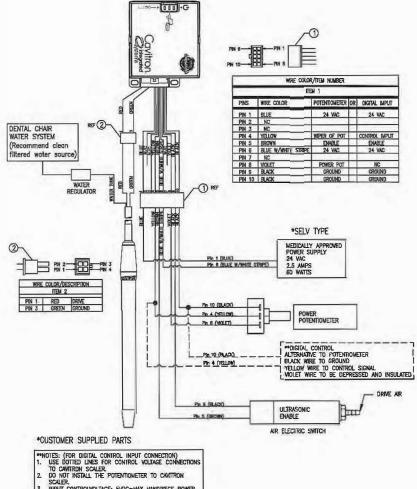
- 1. Turn on power, air and water to the dental unit.
- 2. Verify power on LED is illuminated.
- 3. Lift handpiece cable from holder or pull handpiece cable wand forward.
- Plug handpiece into handpiece cable.
   Depress foot control to fill handpiece with water then release foot control.
- 6. Verify the foot control and handpiece LED is continuously illuminated.
- 7. Place insert into handpiece.
- 8. Depress foot control and verify insert oscillation.
- 9. Verify water flow is adjustable from less than 10ml/min to greater than 60ml/min using water flow control on rear of handpiece.
- 10. To verify correct operation, adjust the power control knob (clockwise more power, counter clockwise less power).
- 11. Verify no water leaks.
- 12. The Cavitron Built-In OEM Module has been successfully installed.

**DENTSPLY Professional** Technical Service and Repair Department: Phone: 800-989-8826 or 717-767-8502 Fax: 717-767-8508 email: prodserv@dentsply.com

Dentsply Professional 1301 Smile Way York, PA 17404 U.S.A. Cavitron® Built-In Ultrasonic Scaler Model: G139

# Installation Instructions





INPUT CONTROLVOLTAGE: 5VDC=MAX HANDPIECE POWER.
INPUT CONTROL VOLTAGE: 0VDC=MIN IANDPIECE POWER.

#### SPECIFICATIONS:

FIFTIRCAL	INPUT YOUTAGE: INPUT CURRENT: INPUT FREQUENCY: OUTPUT POWER:	24 VAC ± 10% (SELV) 50/60 Hz 30W
POWER CONTROL RANGE	RESISTANCE: VOLTINGE RANGE:	0-5 KQ (1/AW) 0-5 V
OPERATING_FREQUENCY		30 KHz
WATER	INPUT PRESSURE: FLOW RATE: INPUT WATER TEMPERATURE:	25-50 psi (172-4144Pe) 10-60 ml/min 41'F-77'F (5'C-25'C)
WEIGHT		200a (.44fbe)
DANENSIONS (MAX)	HEIGHT: WIDTH: DEPTH:	1.40 (3.5cm) 3.1in ( <b>7.9cm</b> ) 2.5in (8.4cm)





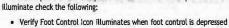
Power On Icon: If LED is illuminated, Cavitron Scaler has power. Verify 24VAC is being applied to scaler via the Blue wire and Blue wire with white stripe.



Foot Control Icon: LED will illuminate when the dental unit foot control is depressed. If the Cavitron Air Electric Switch harness is being used and LED does not illuminate when foot control is depressed, verify at least 20PSI is being delivered to Air Electric Switch.

Handpiece Continuity Icon: Handpiece Continuity Icon will illuminate when dental unit foot

control is depressed and handpiece is attached to the handpiece cable. If LED does not



- · Verify connections are secure between the Steri-Mate, Handpiece Cable, adaptor
- · Check handpiece cable and Handpiece pins for damage or corrosion.
- Unplug adaptor harness from unit and measure the resistance across pin 1 (Red Wire) and pin 3 (Green Wire) with handpiece connected and verify 0.4 ohms.

# Cavitron A-dec Potentiometer Kit

SKU: 81365

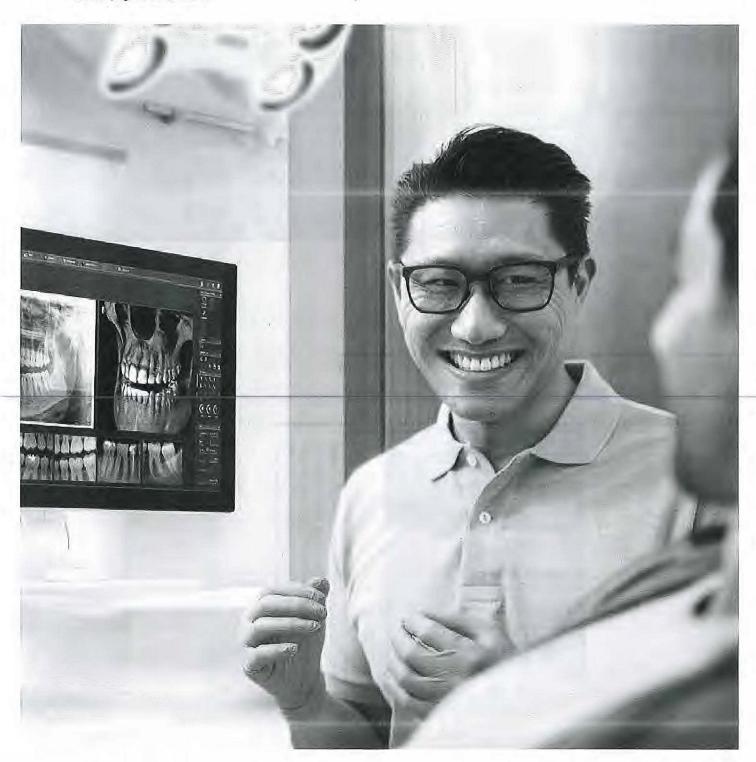


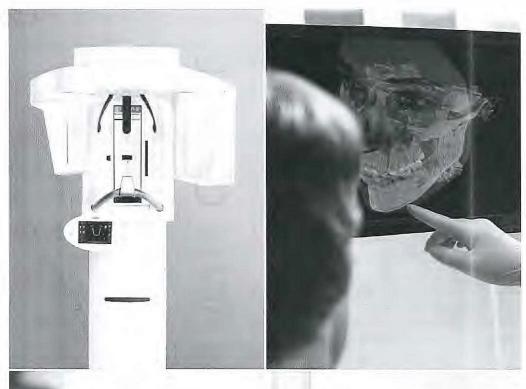
Required for any A-dec system without a deluxe touchpad



# The 3D x-ray family

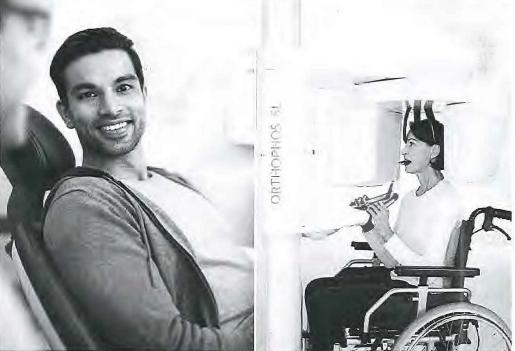
dentsplysirona.com





# As versatile as practice life.

The Dentsply Sirona 3D x-ray family offers 3 units, Galileos Comfort Plus, Orthophos SL 3D and Orthophos XG 3D, whose visual possibilities cover the entire range of all specializations in dentistry. Which unit is the one for you and your practice? You can find out here!









# Work quickly, precisely and reliably

Dentsply Sirona imaging units stand out for their simple operation and positioning, thus providing efficient workflows. The unprecedented image quality allows extremely precise diagnosis and planning. With Dentsply Sirona, you trust a global brand with hundreds of thousands of units in practice distinguished by their Made in Germany quality.







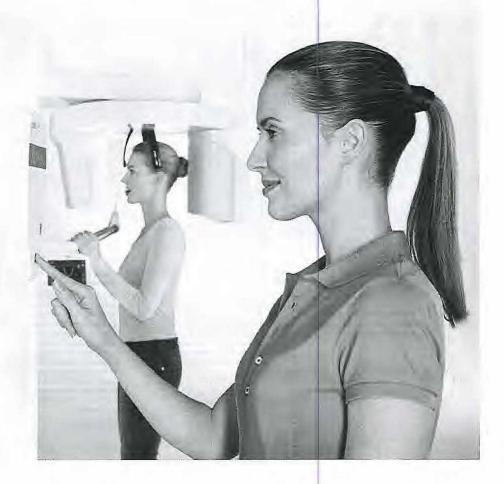
w Unparalleled



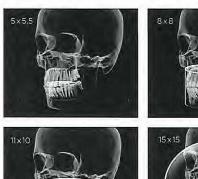
Proven solution

# Flexibility and reliability with a low dose

The Dentsply Sirona 3D x-ray family combines high resolution mage quality with great flexibility. Simply choose the best volume for your practice – this can be easily adjusted for the individual patient situation and will support your diagnosis with clear, sharp images with the lowest dose.



An overview of the volumes available in the Dentsply Sirona 3D family:







Other available volumes (varies according to the unit): 8 cm  $\times$  5.5 cm; 11 cm  $\times$  8 cm; 11 cm  $\times$  7.5 cm upper jaw; 15 cm  $\times$  8.5 cm upper jaw; 15 cm  $\times$  8.5 cm lower jaw.

#### More possibilities for your practice



8 cm x 8 cm Images taken in Low Dose with 15 uSv

The best image quality for all Indications: In order for you to be ideally prepared for every case, the Dentsply Sirona 3D x-ray family naturally offers outstanding solutions for both 2D and 3D approaches. You gain additional flexibility in 3D thanks to the Low Dose mode, with which you can gerierate images at lower radiation dose comparable to the level of 2D x-rays depending on the indication.

# Easy operation, safe positioning

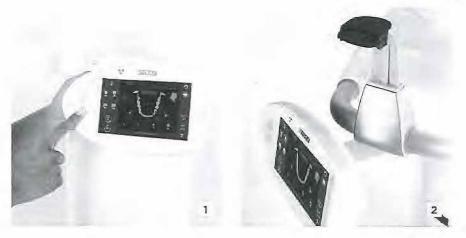
Dentsply Sirona offers unique patented solutions for operating the units and positioning the patients. Optimize your practice workflow with intuitive user interfaces and automatic positioning aids that eliminate unnecessary corrective scans and waiting times.



#### The new positioning tools make for good imaging.

"Positioning with the Orthophos SL is very easy for our team. The many aids such as automatic light localizers, illuminated height adjustment buttons and intuitive program selection allow us to work efficiently with very good image quality. In combination with Sidexis 4, we have a comprehensive package that gives us absolute confidence in the findings."

PD Dr. Dr. Lutz Ritter, Oral and Maxillofacial Surgery, Hennef





#### Intuitive operation

No matter how your x-ray room is set up - the swiveling and tilting EasyPad makes it highly flexible and the clearly arranged buttons and symbols ensure optimum operation.

# The patented occlusal bite block

Position the patient with the patented occlusal bite block. The unit automatically determines the correct tilt of the head and indicates it using corresponding symbols and colors. – all you need to do is press the up and down arrows.

# 3 Stable positioning for high-quality images

Stable patient positioning prevents motion blurring. The motorized 3-point head fixation and stable handles give your patients the necessary support. At the same time, the EVI\* light localizers show you the patient's position in the volume. The integrated temple width measurement ensures an orbit specific to each patient and thereby, results in high image sharpness.

\* EVI = Easy Volume Indicator



# Working digitally is this easy

#### Sidexis 4 - this is the core of the digital workflow with Dentsply Sirona.

The software with its intuitive user interface has a very simple structure: it follows the clear format of your work processes and provides you at all times with all visual data of your patients seamlessly and at a glance – whether 2D, 3D or intraoral. This integrates your patients optimally and thus results in a high acceptance of your treatment proposal Sidexis 4 is pure imaging efficiency, giving you a quick overview of the entire history of the patient. This allows you to add a time dimension to your diagnostic options in a very intuitive way. The lightbox is ideal for a comprehensive diagnosis, as it let's you compare 2D and 3D images as well as camera images and facescan data side-by-side.



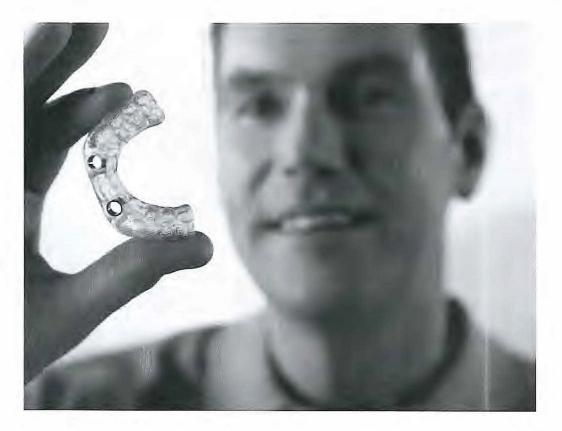
Simple overview of the patient history

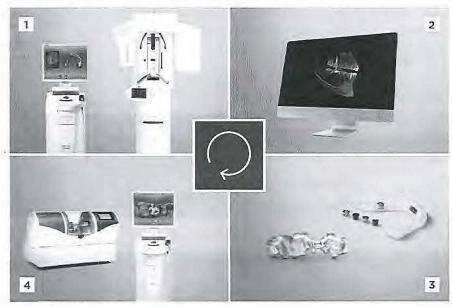
# Advantages at a glance

- Modern design
- Software platform for all Dentsply Sirona x-ray units
- Intuitive operation, optimally coordinated workflows
- Simple overview of the patient history thanks to the intuitive timeline
- · Easy export of DICOM data sets
- Interface of the integrated solutions from Dentsply Sirona

# The simple way to a completed implant

Software and hardware perfectly coordinated – that is Dentsply Sirona quality in implantation. With the support of the Galileos Implant software, prosthetic suggestions from the CEREC software can be combined with your 3D x-ray data. In this way you can enjoy absolute certainty in an efficient, time-saving workflow. And your patients can look forward to perfect results with fewer treatment sessions.





#### 1. Session

#### Sca

In the first step, all of the necessary images for planning are prepared: Intraoral impressions for the prosthesis – 3D x-ray images for surgical planning.

#### 2. Session

#### Place:

Next, the implant is inserted securely and in an uncomplicated fashion using the surgical guide, which allows minimally invasive work. With CEREC Guide 2. Dentsply Sirona has the most convenient and quickest in-house surgical guide in the world. Or order your surgical guide from SICAT directly out of the software.

#### Pla

The prosthetic suggestion and the x-ray data are combined in the software. On the basis of this combination, implant planning and the completion of the appropriate surgical guide follow.

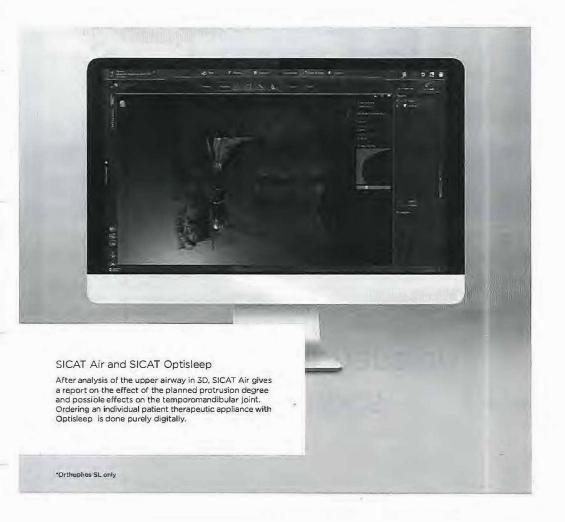
#### 3. Session

#### Restore:

In the final step, you plan the abutment and crown with the CEREC 4.5 software, which you then produce quickly and very precisely in your own practice with CEREC MC X or the MC XL Premium package. The crown is precisely fitted and this is monitored with either Intraoral sensors or a 3D Low dose image.

# Extensive practice offering made easy

In addition to integrated implantology, Sidexis 4 integrates many other time-saving and convenient software solutions. For example, the SICAT Function offers a simple workflow for functional diagnosis and therapy of temporomandibular joint dysfunction. For the first time, a 3D solution is available that allows analysis of the upper airway and treatment of obstructive sleep apnea in a purely digital workflow thanks to the new SICAT Air software. Doing so, the dose can even be reduced to match that of 2D images.\*





SICAT Function

#### SICAT Function

For the first time, SICAT Function gives an anatomically correct view of the movement of the lower jaw of the individual patient in the 3D volume. Movement of the mandibular joint can be visualized for each point in the 3D volume.

#### SICAT Function with CEREC

In combination with CEREC, you receive the actual articulation in CAD/CAM. The advantages: functional prosthetics with reduced grinding effort and implementation of new treatments.

#### SICAT Optimotion

SICAT Optimotion is the world's first CMD therapeutic appliance that implements both the individual patient movements and the pure condyle-fossa relationship in the therapeutic appliance. Depending on the preference, the SICAT Optimotion is completed purely digitally with SICAT.



1 Freedom in centric 2 canine guidance 3 Michigan principle

# Endodontics in the third dimension



Due to their unparalleled image quality Orthophos units are a great fit for all endodontic requirements. Together with 3D Endo<sup>TM</sup> they open up new dimensions for your practice. With a small 3D volume of 5 cm x 5.5 cm the Orthophos units are equipped with a perfect field of view for all endodontic cases. In combination with the High Definition (HD) mode you can expect extremely sharp images with an outstanding level of detail of up to 80  $\mu$ m.

### Complex cases? Nothing left to hide?

3D Endo<sup>M</sup>, the first CBCT based software designed to improve endodontic treatment planning for more predictability. Plan for an optimal cavity access and your final instrument.







# Designed to improve treatment quality

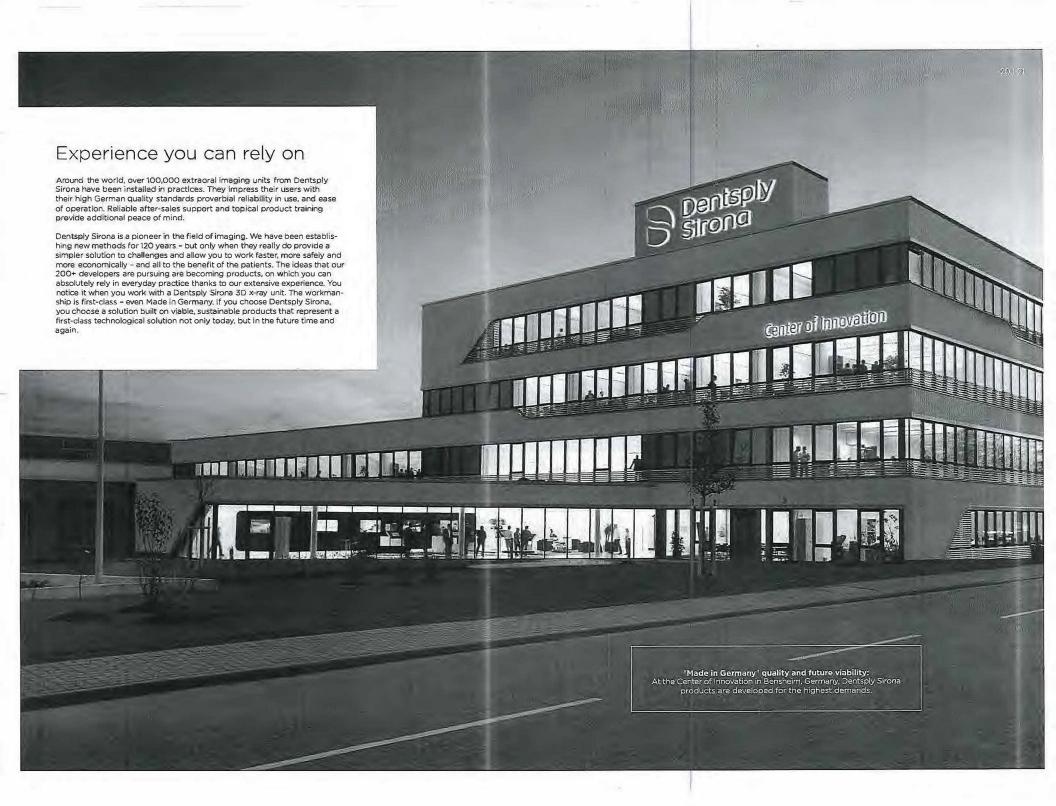
- Isolate the tooth of interest
- Clearly visualize the tooth anatomy in 3D
- · Identify all canals
- · Anticipate risky areas

### Know what to expect

- Evaluate 3D working length and cavity access depth
- Locate canal orifices without opening the tooth
- Plan for an optimal cavity access and your final instrument
- Simple and consistent methodology for all cases

# An intuitive way to analyze CBCT scan data

- Simple and consistent methodology for all cases
- Know how to use the software in 30 min
- Quick & Easy to use





# Which unit is the one for you?

Frequency and type of use, specialization, price, and personal preferences – every dental practice has its own requirements for an x-ray unit. Here is a quick overview of which Dentsply Sirona 3D x-ray unit is right for you.

# Units at a glance

	Orthophos XG 3D	Orthophos SL 3D	Galileos Comfort Plus
General dentists			-
Orthodontic practice			
Implanting dentist		•	-
Implantology practice	3	Orthophos SL 3D 11 cm x 10 cm	
Oral and maxillofacial surgery		<ul> <li>Orthophos SL 3D</li> <li>11 cm x 10 cm</li> </ul>	
Radiology center	+	<ul><li>Orthophos SL 3D</li><li>11 cm x 10 cm</li></ul>	
ENT practice	*	Orthophos SL 3D 11 cm x10 cm	
Functional diagnosis	4	*	•

# PAN CEPH 8cm HE HE ÷]→ Low 85kV (R)10mA

### Low Dose for a wide range of clinical tasks

- · Locating displaced canine teeth
- Determining the position of teeth and reviewing courses of treatment in orthodontics
- · Postoperative 3D check in implantology and surgery
- · Analysis of the airways and paranasal sinuses

# Low Dose: CBCT in a 2D image dose range

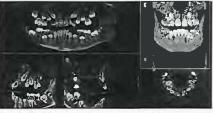
Indication-based diagnosis using CBCT images in the same dose range as 2D X-ray images is now possible with the Low Dose mode. It's optimized pre-filtering preserves dense structures such as bone even at a highly reduced dose, so it can be used easily and efficiently in many specialist fields, for example, orthodontics or implantology.

Your practice will be even more flexible, because depending on the patient case you decide: whether to use your Orthophos SL to obtain high-resolution, focused volumes for the finest of structures (HD), balanced images for general questions (SD), or Low Dose imaging for minimum radiation doses.

### Low dose application examples



Locating displaced canine teeth 5 cm x 5,5 cm at 3 µSv



Determining the position of teeth 8 cm x 8 cm at 8 µSv

"With the new Low Dose mode, I can now optimally check the success of a procedure postoperatively and in 3D without exposing the patient to unnecessary radiation levels"

Dr. med. dent Gerd Frahsek, Velbert

# Simply reliable. Every day. Dentists that decided for an Orthophos XG 3D can confirm that. Because since it's introduction it vows dental professionals by matching perfectly the daily practice tasks. The option to upgrade to 3D at any time gives it the capability to grow with your practice.

# Orthophos XG 3D

Optimized for daily tasks in the practice: The world's most popular hybrid unit Orthophos XG 3D combines 2D and 3D x-rays.

With a volume of 8 cm x 8 cm, Orthophos XG 3D is perfectly adapted to fit the needs of any practice: One scan is sufficient for capturing the entire jaw. MARS (Metal Artifact Reduction Software) reduces artifacts that might occur from metal fillings,

and thus prevents incorrect diagnoses. If an even smaller volume is sufficient, choose the reduced volume of 5 cm x 5.5 cm. In difficult cases and for endodontics, the HD mode provides extremely detailed images. In all standard cases, the extensive

panoramic and cephalometric programs are guaranteed to deliver the right x-ray image.

#### Optional Ceph arm

The traditional cephalometric function of the Orthophos XG 3D provides you with lateral and symmetrical p.a. or a.p. images for diagnosis. In cases of displaced teeth, you can also fall back on the benefits of 3D x-ray to determine their exact location.

### Comparison of standard mode and HD mode

Mode	VOL 1 (8 cm Ø x 8 cm height)	VOL 2 (5 cm Ø x 5,5 cm height)
Standard mode	■ 200 individual images ■ Voxel size 160 µm	■ 200 Individual Images ■ Voxel size i60 μm
HD mode	■ 500 individual images ■ Voxel size 160 µm	■ 500 individual images ■ Voxel size 100 μm

#### HD image quality with ASTRA

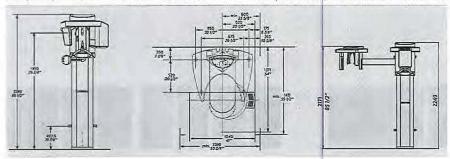
ASTRA provides brilliant, contrastrich images and thereby creates ideal conditions for a reliable diagnosis.



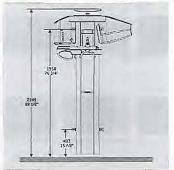
### Space requirements

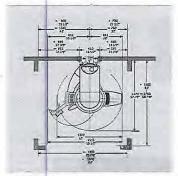
Orthophos: Space requirements min. 1,280 mm x 1,411 mm

Orthophos: With Ceph arm at least 2,155 mm x 1,411 mm



Galileos Comfort Plus: Space requirement at least 1,600 mm x 2, 250 mm





\*Minimum space size.\*\*Recommended space size

### Technical properties

Overview of performance features	Galileos Comfort Plus	Orthophos SL 3D	Orthophos XG 3D
Imaging volume	15 cm spherical imaging volume collimated 15 x 8.5 cm (UJ/LJ)	11 cm Ø x 10 cm height 11 cm Ø x 8 cm height 11 cm Ø x 7.5 cm height 8 cm Ø x 8 cm height 8 cm Ø x 5.5 cm height 5 cm Ø x 5.5 cm height	8 cm Ø x 8 cm height 8 cm Ø x 5,5 cm height 5 cm Ø x 5,5 cm height
3D resolution: Isotropic voxel size	0. 25/0.125 mm	0.16 mm; 0.08 mm in HD mode	0.16 mm; 0.1 mm in HD mode
Scan time/exposure time	14 s/2-5 s	2-5 s; 14 s Im HD mode	2-5 s; 14 s in HD mode
X-ray generator			20.00
kV mA	98 3-6	60-90 3-16	60-90 3-16
Effective dose (Ludiow)	20, μSv-154 μSv	Low Dose: 3 μSv-20 μSv SD: 23 μSv-145 μSv HD: 57 μSv-273 μSv	14 μSv-166 μSv
Minlmum space need (depth x width x height)	1,600 ×1,600 × 2,250 mm	1,411 x 1,280 x 2,250 mm	1/411 x 1, 280 x 2, 250 mm
Door, size	For setup at least 66;cm	For setup at least 66 cm	For setup at least 66 cm
Weight	X-ray unit approx. 120 kg	X-ray unit approx. 110 kg	X-ray unit approx. 110 kg
Technical equipment			
Operation	EasyPad	EasyPad	EasyPad
Patient positioning	Standing/seated Chin rest/bite block Forehead support and head fixation	Standing/sitting, chin support/bite block, occlusal bite block with automatic patient positioning, universal bite block with colored stop positions	Standing/sitting, chin support/bite block, occlusal bite block with automatic patient positioning for 2D panoramic images Universal bite block with colored stop positions
Fioor stand			D
Wheelchair appropriate			
Remote control			D.
Ùpgrade options	Facescanner (optional)	Cephalometric x-ray (optional), also available as a pure 2D unit with 3D upgrade option	Cephalometric x-ray (optional), also available as a pure 2D unit with 3D upgrade option



Individual patient positioning even for wheelchair patients.



Remote control with display of image parameters (optional).



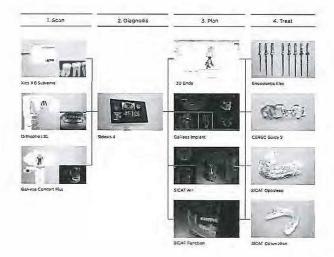
Stable floor stand (optional).

#### 38139140

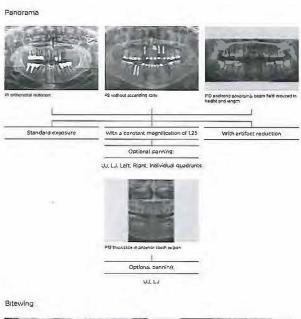
### More then images - real solutions

#### More solutions for your practice with x-rays from Sirona.

The Speaks of with its intuitive user interface and display of all kinds of images on a monitor – whether intraoral. 20 panoramic, or 30 – increases the efficiency of your practice and the accuracy of your dispnoses illon no other software. 30 ut Sirona open not stop with the diagnosts – our sofulution allow you to plan treatment for a number of different conditions and customize treatment for the individual patient. The processes remain in your practice and your patients appreciate your modern, understandable treatment methods. For satisfied patients and reliable work in your practice.



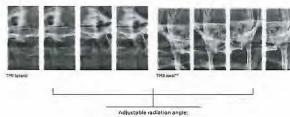
"Sidexis 4 system requirements airona.com/s.poxisA-system\_requirements





Right, Left





With open and closed occlusion, with a slice position



#### Sinus







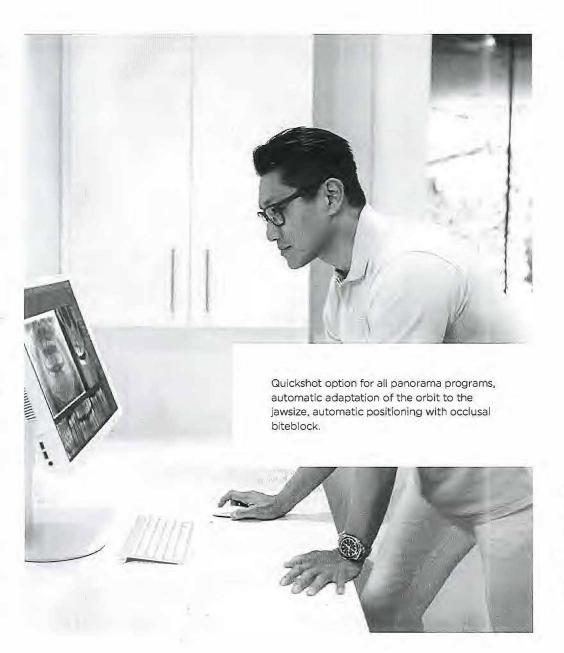


#### Multislice in posterior tooth region



This overview shows all 2D programs and the related Images of the ORTHOPHOS XG 3D, Differences from the Orthophos SL 3D are marked accordingly.

" Imaga not available with the Orthophes St. 35



#### Dentsply Sirona

Sirona Dental Systems GmbH Fabrikstraße 31, 64625 Bensheim, Deutschland dentsplysirona.com

THE DENTAL SOLUTIONS COMPANY™

#### **Procedural Solutions**

Preventive Restorative Orthodontics Endodontics Implants Prostnetics

#### Enabling Technologies

CAD/CAM Imaging Treatment Centers Instruments



### ORTHOPHOS XG 3D Brochure:

http://www.sirona3d.com/assets/pdf/2017-3D-Family-Brochure.pdf

### Product Line Ordering Information





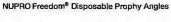
ITEM #	ITEM DESCRIPTION	CONTENTS
90701L01 90701PK01	Midwest ROH Proston Base for - Lawridor Midwest ROH Proston Base for - Pink	1 Mobal Outer Sylestri 1 Charphy Seue 1 Workess Foot Pedal 1 Handplese Tray Cradle 1 Olsgoess-Sheld® Trial Pack 1 Power Supply 20 NUPRO Preedom DPAs 1 Operation Manual
907021'0'3	MinweshADH Readow Promismi (Ch. Lavender.	Basic Kit plus:
90702PK03	Midwest RDH Freedom Promium Kit - Pink	1 Box of NUPRO Freedom Contra DPAs (200 ct) 3 Metal Outer Sheatins
9070301	Metal Outer Sheath w/ Lavender Band	1 Metal Outer Shoath
9070402 9070404	Inner Module, Lavender	1 Inner Module
9070502 9070504	Charging Base, Lavender Charging Base, Pink	1 Charging Base
9070601	Wireless Foot Pedal	1 Foot Pedal
9070701	Power Supply	1 Power Supply
9070801	Handplece Cradle	1 Handplace Cradle
9070801	Carrying Case	1 Carrying Case
9071001	Color Bands (Lavender, Pink, Purple, & Teal)	4 Pack
81088A	Disposa-Shield for Inner Module	Case (12 boxes of 500)
763509	Rural Power Cable Artentor	1 Adapter

ITEM DESCRIPTION	CONTENTS
Mildwest RDH Hygleniet Handplede for Disposable Angles	1 Handplece
Michwest RDH Hyglenist Hendplece for Disposable Angles	3 Handpieces
Midwest RDH Hyglenist Handpiece with Prophy Right Angle	î Handplece
Midwest RDH Hygienist Handplace With Prophy Right Angle	3 Handpleces
Midwest RDH Featherweight Package - Grey	1 Handpiece 1 Featherweight Hoss 1 Hose Installation Kil
Midwest RDH Featherweight Package - Belge	1 Handpleco 1 Featherweight Hose 1 Hose Inistaliation kil
Midwest RDH Featherweight Hose - Gray	1 Featherweight Hose 1 Hose Installation Kil
	Midwest RDH Hygleniat Handplade for Oliopasable Angles  Midwest RDH Hygleniat Mandplace for Disposable Angles  Midwest RDH Hygleniat Mandplace with Prophy Right Angles  Midwest RDH Hygleniat Mandplace with Prophy Right Angle  Midwest RDH Featherweight Package  - Grey  Midwest RDH Featherweight Package  - Belge  Midwest RDH Featherweight Nase

#### NUPRO Freedom® Disposable Prophy Angles

NUPRO Freedom® Disposable Prophy Packs

LAVENDER ITEM #	PINK ITEM .	ITEM DESCRIPTION	PACKAGE (GTY)
965670	965673	Contra Prophy Angle- Spiral Cup	Box (200)
965671	965674	Contra Prophy Angle-Spiral Cup	Econo Box (1200)
965750	965752	Soft Cup	Box (200)
985751	965753	Soft Cup	Econo Box (1200)
965754	965756	Firm Cup	Box (200)
965755	965757	Firm Cup	Econo Box (1200)
965758	965760	Spiral Cup	Box (200)
965759	965761	Spiral Cup	Econo Box (1200)
965762	965764	Pedo Cup	Box (200)
965766	965767	Pointed Tip	Box (100)
965768	965769	Tapered Brush	Box (100)





ritra Spiral

Trigonomic for
Improved comfort

Soft Light to moderate stain remove



Spiral Improved Interproximal cleaning and



stain removal cleaning and splatter control



lo all tooth ishing



Removal of pit & fissure stain before sealant placement and cleaning aroun orthodontic apollances



Pointed Tip Cleaning around ortho appliance

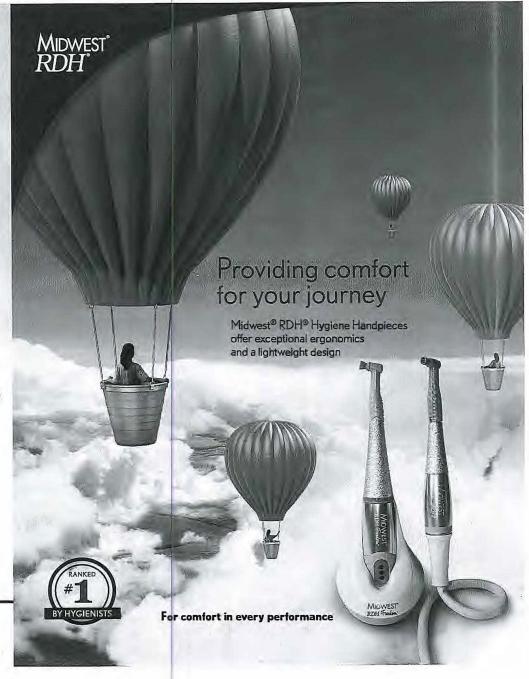
LAVENDER ITEM &	PINK ITEM B	DESCRIPTION BOX (100)
965716MM	965717MM	Soft Cup/Mint Medium
965716MC	965717MC	Soft Cup/Mint Coarse
965716RM	965717RM	Soft Cup/Razzberry Medium
965716RC	965717RC	Soft Cup/Razzberry Coarse
9657:16BM	965717BM	Soft Cup/BubbleExtreme Medium
965716BC	965717BC	Soft Cup/BubbleExtreme Coarse
965685MM	965686MM	Contra DPA/Spiral Cup/Mint Medium
965685MC	965686MC	Contra DPA/Spiral Cup/Mint Coarse
965885BM	965686BM	Contra DPA/Spiral Cup/BubbleExtreme Medium
965685BC	965585BC	Contra DPA/Spiral Cup/BubbleExtreme Coarse

#### For more information, call 1.800.989.8826 or visit www.midwest-rdh.com.



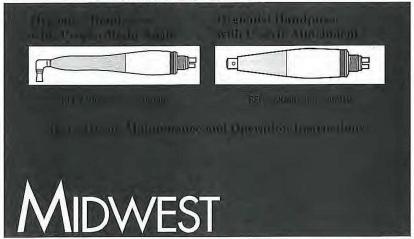
© 2013 DENTSPLY Professional, York, PA 17404
Midwest<sup>a</sup>, RDH <sup>a</sup>, RDH <sup>a</sup>Freedom<sup>a</sup>, revolv<sup>a</sup>, and RUDRO<sup>a</sup> are registered trademarks, and BubbleExtreme<sup>ba</sup> is a trademark of DENTSPLY International and/or its subsidiaries

90699 Rev 5 (11/14)





### Midwest®RDH®



#### Indications For Use

Midwest RDH handplece is used for low speed procedures med by dental professionals.

#### Contraindications

None Known

#### Warnings

STERILIZE BEFORE USE, SUPPLIED NON-STERILE.

WARNING: This product is intended for use by dental professionals only. Before operating handpiece, carefully read and follow these instructions and save them for future reference. Observe all cautions and warnings, including:

- · Handpieces should be heat-sterilized between patients to prevent cross-contamination which could result in serious illness or even death from infectious organisms such as HIV (the virus that causes AIDS) or hepatitis B.
- It is the responsibility of the Dental Healthcare Professional to determine the appropriate use of this product and to understand the health of each patient, the dental procedures being undertaken, industry and governmental agency regulations, and recommen-dations and requirements for safe practice of dentistry.

#### Precautions

- Do not operate handpiece unless prophy angle or cup is properly secured. A loose prophy angle could eject from the handplece and cause personal injury,
- Do not use angle, attachment or accessory that exhausts alr within the oral cavity when a soft tissue wound is present. Air pressure may force septic materials into these tissues.

#### **Adverse Reactions**

None Known.

#### Installation

Checking Handpiece Hose Make sure all tubes supplying the handplece hose are properly connected within the dental unit. Test hose as follows:

4-Tube Mldwest



Hold free end of hose over cuspidor or towel while alternately depressing drive air pedal on foot control.

Note: The Midwest RDH Handpiece does not use chiproir or water spray. When connecting the Midwest RDH Handpieco, the water and chip or hose bules can be disconrected and their supply connection plugged.

Check to be sure that drive air is coming out of the correct tube.

Air Requirements
Midwest RDH Handpleces deliver maximum speed and torque when operated with clean, filtered, moisture-free air at the recommended operating pressure of 30-40 p.s.l. Air pressure may be roduced to a minimum of 20 p.s.l. to decrease operating speed

Initial Maintenance

Follow the Maintenance procedure, at top of next column, before using your new Midwest RDH Handplece.

#### Maintenance

Important: Use only Midwest<sup>®</sup> products recommended by DENTSFLY to reutinely clean and lubricate your Midwest RCH Honeplece.

There are two Maintenance procedures for your RDH handplece; (1) for mainlenance using the Midwest Plus\*\* Maintenance Kit;

(2) for maintenance using Midwest Plus™ Aerosol Spray. Follow the appropriate maintenance procedure below before using your new RDH handpiece.

This procedure recommends the steps to follow between patient use to prevent cross-contamination and to ensure continued trouble-free operation of the handplece:

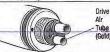
#### Maintenance Using Midwest Plus" Maintenance Kit

#### Clean External Surface

- Remove prophy cup by holding sheath of handplece and rotating cup in counterclockwise direction.
- 2. Disconnect handplece from its supply hose. Spray exterior surface of handplece with Midwest Plus™ Handplece Cleaner.
- 3. Scrub and rinse external surfaces of handpiece under warm
- 4. Thoroughly dry using gauze, paper towel or air syringe.

#### Lubricate and Expel

1. Place three drops of Midwest Plus Handplece Lubricant Into drive air tube (below).



- 2. Run handpiece on Midwest Handplece Alr Station or other air source until It reaches normal speed. This ensures that the internal working parts of the motor are completely lubricated. Wipe off any excess lubricant on outside of handplece with dry 2x2 or tissue.
- 3. Proceed to Sterifization.

### 2 Maintenance Using Midwest Plus \* Aerosol Spray

#### Scrub and Rinse

- Remove prophy cup by holding sheath of handplece and rotating cup in counterclockwise direction.
- 2. Disconnecthandpiece from its supply hose.
- 3. Scrub and rinse external surfaces of handpiece under warm tap water. Use sponge to scrub.
- 4. Dry thoroughly using gauze, paper towel or air syringe.

#### Clean · Lubricate · Expel

- 1. Clean and lubricate with one quick spray of Midwest Plus TM Aerosol Spray using the Midwest Backend Attachment nozzle into the drive air tube of the handplece. The drive air tube is the shorter of the two larger tubes and is gold on many handpleces.
- 2. Run the handpiece on Midwest Handpiece Air Station or other air source for 30 seconds or until normal speed is reached, and all excess spray is expelled. Dry thoroughly.
- 3. Proceed to Sterilization.

#### Sterilization

Enclose the handplece in a sterilization pouch intended for steam sterilization. Place the pouched handplece into the steam sterilizer per the manufacturer's instructions.

**Gravity Steam Sterilization** Full cycle: 121°C (250°F) for 30 minutes Full cycle: 132 °C (270°F) for 15 minutes

Dynamic Air Removal

Full cycle: 132°C (270°F) for 4 minutes Full Cycle: 135°C (275°F) for 3 minutes

Keep handplece in sterilization pouch until ready to use in the operatory. No further lubrication is required before use.

#### Other Maintenance

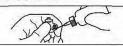
Weekly or as needed: Place two drops of lubricant on swivel Junction (as shown). Twist swivel to work lubricant into Junction. Wipe handpiece clean.



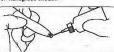
(FOR MIDWEST ROH WITH RIGHT ANGLE ATTACHMENT ONLY-REF 740020 / 740030)

Every 40 prophies, or once a week

- 1. Unscrew angle from handplece.
- 2. Place angle in beaker of Midwest Plus Handpiece Cleaner and ultrasonically clean for ten minutes.
- 3. Scrub and rinse under warm tap water.
- 4. Dry thoroughly.
- Apply one drop of Midwest Plus Handplece Lubricant on gears inside head. DO NOT fill head full, as excess lubricant will leak from seal.



6. Apply one drop of Midwest Plus Handplece Lubricant to gear teeth on handplece sheath.



Reassemble and continue with "Sterilization" in the Maintenance procedure above.

#### Operation

To operate the handpiece, simply depress the foot control. Note: Never operate air motor under the following

- 1. At air pressure exceeding 45 p.s.l. (3.1 Atm.),
- 2. On an alternate hose without adjusting air pressure.

#### **Automatic Oilers**

Since the use of automatic oiling does not eliminate the need for routine maintenance, the oller should be disconnected. Do not use oil mist lubrication. (Excess oil may hinder performance.)

#### Speed Range

The Midwest RDH Handplece offers exceptional torque at speeds up to 6000 RPM.

Mounting Disposable Prophy Angles (for Midwest RDH with Right Angle Attachment only

A plastic head wrench has been provided for mounting or removing the prophy head.

To remove head: Place wrench over prophy head. Loosen head assembly by turning wrench counterclockwise, Unscrew and remove head with fingertips.

To Install or replace head: Screw prophy head onto sheath assembly with fingers (clockwise). If the gears do not mesh properly, back head off 1/4 lum; then relighten. Lock head onto sheath by tightening with wrench.

Make sure prophy head is tightened securely before operating handpiece.



Mounting Disposable Prophy Angles (for Midwest RDH with U-Style Attach REF740000/740010)

To mount disposable angle to handplece: Push angle all the way into handplece, making sure locating button on handplece is seated into notch of angle.

To remove disposable angle from handplece: Grasp handplece with one hand and pull angle from handplece with

#### **Mounting Color Bands**

To change the color code of the handplece, remove the color band as shown, and replace it with a new band of the desired



#### Repair

Midwest Air Repair™ Service Should your Midwest RDH Handplece need repair, call 1-800-800-7202 to schedule a free pick-up.



Dentsply Sirona Midwest Attn: Midwest Air Repair 901 West Dakton Street Des Plaines, IL 60018-1884

Provide the following information

for your repair:

Your complete name and address Dealer name and address Nature of repair

Air Repair offers:

- Repairs DOOR TO DOOR IN 2 BUSINESS DAYS
- Genuine Midwest Parts and DENTSPLY Quality Expert Troubleshooting and Diagnosis
- Repair Service Warranty equal to the new product warranty

#### **Parts**

REF

The Midwest RDH Hygienist handpiece is compatible with a widerange of disposable prophy angles and prophy cups/brushes.

Please see our website at dentsplysirona.com or contact your local Dentsply Sirona Customer Support Center.

Maintenance Kit         & 2 oz Lubricant Dropper           Midwest Plus         8 oz. Spray Bottle         380 145           Handplece Cleaner         1 Liter Refill Bottle         380 141           Midwest Plus         2 oz. Oropper Handplece Lubricani         380 086           Midwest Plus         Cleaner/Lubricant (does not include nozzle)         380 086           Nozzle for Midwest         Midwest Backend/         380 086           Plus Aerosol Spray         Attachment         Midwest Handplece Altachment           Midwest Handplece Altachment         Midwest Spray Guards         380 80           Midwest Spray Guards         Box of 100         380 150           Spray Tips for Midwest Plus 8 oz. Spray Cleaner         pkg. of 6         380 986           Prophy Head Wrench         230611         230611           Color Bands,         Orange 760011R         Red         760012R			
Handplece Cleaner			380145
Handplece Lubricant   380086		8 oz. Spray Bottle 1 Liter Refill Bottle	380140 380141
Aerosol Spray   (does not include nozzle)	Midwest Plus		380130
Plus Aerosol Spray			380080
Midwest Handplece	Nozzle for Midwest	Midwest Backend/	380086
Air Station FREE Spray Guards  Midwest Spray Guards  Spray Tips for Midwest Plus 8 oz. Spray Cleaner  Prophy Head Wrench  Color Bands, Store Fillow 760013R  Violet 760014R  Violet 760014R  Violet 760014R  Violet 760014R	Plus Aerosol Spray	Attachment	
Spray Guards   Spray Tips for   pkg. of 6   380986     Mildwest Plus 8 oz.   Spray Cleaner   Prophy Head Wrench   Color Bands, set of 6   Yellow 760013R   Red 760012R   White Spray Guards   Violet 760014R   V			380800
Spray Cleaner		Box of 100	380150
Color Bands, Orange 760011R Red 760012R set of 6 Yellow 760013R Violet 760014R		pkg. of 6	380986
set of 6 Yellow 760013R Violet 760014R	Prophy Head Wrench	1	230611
		Yellow 760013R Viole	

#### Warranty

Your Midwest RDH Handplece is guaranteed to be free of defects in materials and workmanship for a period of two (2) years from its date of purchase — provided that the air motor has been operated and maintained as prescribed in these instructions (at the discretion of DENTSPLY Professional) and has not been subjected to apparent misuse, abuse or accident. All questionable, defective, or loose parts must be returned to the dealer, with air motor and proof of purchase, transportation

The enclosed business reply card (guaranty registration) must be filled out completely and returned within ten (10) days of purchase for this guaranty to apply. DENTSPLY Professional makes no other guarantee, expressed or implied.



**ANDREW M. CUOMO**Governor

ALFONSO L. CARNEY, JR. Chair

REUBEN R. MCDANIEL, III President & CEO

**Drawings/Plans** 

See attached

	Sheet List		
Sheet Number Sheet Name			
D <b>A</b> 001	GENERAL NOTES		
DA111	LVL 1 FLOOR PLAN		
DA113	LVL 1 BACKING PLAN		
DA310	LVL 1 DENTAL ELEVATIONS		
DB110	LVL 1 DENTAL UTILITIES UNDERFLOOR		
DE110	LVL 1 ELECTRICAL & LOW VOLTAGE		
DP110	LVL 1 PLUMBING		





### THE DENTAL EQUIPMENT PROVIDER:

THE DENTAL EQUIPMENT PROVIDER'S RESPONSIBILITIES WILL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

- 1. THE DENTAL EQUIPMENT PROVIDER WILL PROVIDE A SET OF DENTAL SPECIFIC SHOP DRAWINGS TO AID THE CONTRACTOR AND/OR ARCHITECT OF THE OWNER'S CHOOSING IN THE CONSTRUCTION OF THE OWNER'S DENTAL OFFICE. THESE DRAWINGS WILL PROVIDE CRITICAL DENTAL LOCATIONS OF ALL DENTAL EQUIPMENT. WRITTEN DIMENSIONS WILL TAKE PRECEDENCE OVER SCALED
- THE DENTAL EQUIPMENT PROVIDER WILL ASSUME NO RESPONSIBILITY FOR DEVIATIONS FROM THE DENTAL DRAWINGS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN ENDORSEMENT.
- THE DENTAL EQUIPMENT PROVIDER'S REPRESENTATIVES WILL PROVIDE ASSISTANCE AS NEEDED TO THE CONTRACTOR AND/OR ARCHITECT WITH PROPER
- A PRE-CONSTRUCTION MEETING BETWEEN THE DENTAL EQUIPMENT PROVIDER'S REPRESENTATIVES AND THE CONTRACTOR, ARCHITECT, AND SUB-CONTRACTORS TO INCLUDE MECHANICAL, PLUMBING, AND ELECTRICAL IS REQUIRED. DENTAL SPECIFIC TEMPLATES AND SPECIFIC CONSTRUCTION REQUIREMENTS WILL BE PROVIDED DURING THIS MEETING.
- THE DENTAL EQUIPMENT PROVIDER'S REPRESENTATIVES WILL MAKE PERIODIC VISITS TO THE JOB SITE AT CRITICAL POINTS IN THE CONSTRUCTION PROCESS. THE CONTRACTOR IS REQUIRED TO INFORM THE DENTAL EQUIPMENT PROVIDER WHEN INSPECTIONS OF PLUMBING, WIRING, AND BACKING IN THE WALLS CAN BE PERFORMED PRIOR TO BACKFILLING TRENCHES, POURING OF THE SLAB, SEALING PARTITIONS AND INSTALLING CEILINGS.
- THE DENTAL EQUIPMENT PROVIDER'S REPRESENTATIVES WILL COORDINATE WITH THE CONTRACTOR TO INSTALL THE DENTAL EQUIPMENT AS LAID OUT IN THE INSTALLATION GUIDELINES AT A DATE AGREED UPON BY THE CONTRACTOR AND THE DENTAL EQUIPMENT PROVIDER. A FINAL INSPECTION PRIOR TO THE INSTALLATION OF THE DENTAL EQUIPMENT WILL BE PERFORMED TO ENSURE THAT ALL PLUMBING, ELECTRICAL AND MECHANICAL CONSTRUCTION IS COMPLETE. ALL FLOORING, PAINTING AND CEILING WORK MUST BE COMPLETED PRIOR TO EQUIPMENT INSTALLATION.
- 7. THE CONTRACTOR AND SUB-CONTRACTORS ARE TO PROVIDE FINAL HOOK UP TO ALL DENTAL EQUIPMENT AS SET FORTH THE INSTALLATION GUIDELINES.

### **BUILDING CONTRACTOR:**

- THE BUILDING CONTRACTOR WHO HAS ENTERED INTO A CONSTRUCTION CONTRACT WITH THE OWNER IS RESPONSIBLE FOR ALL WORK DEFINED BY THAT CONTRACT. IF THE PROJECT IS LET UNDER SEPARATE CONTRACTS TO MORE THAN ONE CONTRACTOR, THE RESPONSIBILITIES LISTED BELOW APPLY TO EACH CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COMPLETION OF THE PROJECT IN THE TRUE INTENT OF THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR IS TO FURNISH ALL MATERIALS AND LABOR REQUIRED TO COMPLETE THE PROJECT. THAT IS NOT SPECIFICALLY PROVIDED BY THE DENTAL EQUIPMENT PROVIDER, WHETHER OR NOT EACH AND EVERY ITEM IS SPECIFICALLY MENTIONED.
- THE CONTRACTOR SHALL ADVISE THE OWNER OF ANY CONFLICT BETWEEN THESE DRAWINGS AND THE FIELD CONDITIONS BEFORE PROCEEDING WITH THE JOB. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR THE ACCURACY OF FIELD MEASUREMENTS AND CONDITIONS AND SHALL BE RESPONSIBLE FOR THE PROPER MODIFICATIONS TO ANY EXISTING WORK, PREVIOUSLY INSTALLED WORK, AND/OR OTHER TRADES. WRITTEN APPROVAL MUST BE OBTAINED FROM THE DENTAL EQUIPMENT PROVIDER'S EQUIPMENT SPECIALIST ASSIGNED TO THE PROJECT BEFORE ANY CHANGES AND/OR DEVIATIONS FROM THE DRAWINGS AND SPECIFICATIONS ARE MADE. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR THE EXECUTION OF HIS/HER WORK AND FOR ANY CHANGES AND/OR DEVIATIONS FROM THE DRAWINGS OR SPECIFICATIONS MADE WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER AND/OR THE THE DENTAL EQUIPMENT PROVIDER'S EQUIPMENT SPECIALIST. ANY COSTS RESULTING FROM CHANGES AND/OR DEVIATIONS SHALL BE THE RESPONSIBILITY OF THE
- 4. A COMPLETE SET OF DRAWINGS MUST BE KEPT AT THE JOB SITE AT ALL TIMES AND ANY CHANGES MUST BE NOTED THEREON AND INITIALED AT THE TIME THE CHANGE OR DEVIATION IS PERFORMED
- THE GENERAL CONTRACTOR SHALL DO ALL PATCHING TO CONFORM TO MATERIAL. TEXTURE AND SURFACE ALIGNMENT WITH THE ADJOINING SURFACE AND FINAL TOUCH UP/APPEARANCE OF ALL FINISHED SURFACES. THE CONTRACTOR SHALL ENSURE THE PROTECTION OF ALL EQUIPMENT FURNISHED UNDER HIS/HER CONTRACT AND BY OTHERS PRESENT AT THE JOB SITE.
- 6. THE CONTRACTOR SHALL REMOVE DEBRIS AND MAINTAIN THE PREMISES BROOM CLEAN AT ALL TIMES. DEBRIS IS TO INCLUDE, BUT NOT LIMITED TO SHIPPING CARTONS, BOXES, ETC., RESULTING FROM THE INSTALLATION OF DENTAL AND OTHER EQUIPMENT BY CONTRACTORS CONCURRENTLY ENGAGED.
- THE CONTRACTOR SHALL PARTICIPATE AT ALL JOB COORDINATION MEETINGS WITH THE DENTAL EQUIPMENT PROVIDER AND ENSURE THE ATTENDANCE OF APPLICABLE TRADES.
- THE CONTRACTOR IS REQUIRED TO INFORM THE DENTAL EQUIPMENT PROVIDER'S REPRESENTATIVES OF KEY EVENTS IN THE CONSTRUCTION PROCESS WITH REASONABLE ADVANCE NOTICE, TO FACILITATE THE INSPECTION OF SAID EVENTS, I.E. BACKFILLING TRENCHES, CLOSING WALLS, POURING CONCRETE TO BURY
- PLUMBING AND ELECTRICAL WORK IN FLOORS AND INSTALLING CEILING TILES. THE CONTRACTOR SHALL AFFORD THE OWNER AND SEPARATE CONTRACTORS REASONABLE OPPORTUNITY FOR THE INTRODUCTION AND/OR STORAGE OF THEIR MATERIALS AND EQUIPMENT AND EXECUTION OF THEIR WORK.

### **GENERAL NOTES:**

- THE ITEMS LISTED HERE IN THE GENERAL NOTES ARE INTENDED TO CLARIFY OVERALL GENERAL CONDITIONS FOR A SMOOTH TRANSITION BETWEEN ALL SUB-CONTRACTORS, THE GENERAL CONTRACTOR, EQUIPMENT INSTALLERS, THE DENTAL EQUIPMENT PROVIDER AND THE OWNER FOR FINAL APPROVAL OF ALL WORK PERFORMED BY THE RESPECTIVE TRADES. THROUGHOUT THESE PLANS ARE VARIOUS DETAILS, REQUIREMENTS AND SPECIFICATIONS TO AID IN THIS PROCESS. IT IS THE RESPONSIBILITY OF EACH TRADE, CONTRACTOR AND THE OWNER TO READ ALL NOTES AND ILLUSTRATIONS THAT PERTAIN TO THEIR SPECIFIC TASK IN THE PROCESS.
- MOST OF THE DENTAL UTILITY AND SPECIFICATION REQUIREMENTS ARE OUTLINED IN THE TEMPLATES AND DOCUMENTATION THAT THE DENTAL EQUIPMENT PROVIDER WILL PROVIDE TO THE CONTRACTOR. QUESTIONS WILL ARISE ON THE JOB SITE AND MOST CAN BE ANSWERED BY TELEPHONE. THE CONTRACTOR WILL BE PROVIDED CONTACT NUMBERS FOR THE DENTAL EQUIPMENT PROVIDER'S REPRESENTATIVES TO FACILITATE TIMELY ANSWERS TO THOSE QUESTIONS. IN SOME CASES IT WILL BE NECESSARY FOR THE DENTAL EQUIPMENT PROVIDER'S REPRESENTATIVE TO BE PRESENT AT THE JOB SITE TO ANSWER QUESTIONS OR SPOT LOCATIONS FOR DENTAL SPECIFIC ITEMS. IN THESE CASES AN APPOINTMENT WILL BE REQUIRED WITH REASONABLE ADEQUATE NOTIFICATION.
- IF A JOB SITE APPOINTMENT IS REQUIRED. ALL TRADES SHOULD BE NOTIFIED OF THE APPOINTMENT SO THE OPTION OF BEING PRESENT WITH ANY QUESTIONS CONCERNING THEIR PORTION OF THE JOB CAN BE ADMINISTERED AT THAT APPOINTMENT. THE DENTAL EQUIPMENT PROVIDER'S REPRESENTATIVE SHOULD BE INFORMED AS TO THE MAGNITUDE OF THE APPOINTMENT PRIOR TO ARRIVAL ON THE JOB SITE IN ORDER TO ALLOW ENOUGH TIME IN THE APPOINTMENT
- THE GENERAL CONTRACTOR MUST SIGN THIS SHEET STIPULATING THAT THEY UNDERSTAND AND WILL COMPLY WITH ALL SPECIFICATIONS BEFORE ANY WORK WILL COMMENCE. A SIGNED COPY OF THE PLANS ARE TO BE RETURNED TO THE DENTAL EQUIPMENT PROVIDER AND A SECOND SIGNED COPY KEPT ON THE JOB SITE AT ALL TIMES.
- THE DENTAL EQUIPMENT PROVIDER'S REPRESENTATIVE SHALL GIVE INSTRUCTIONS TO THE GENERAL CONTRACTOR ONLY. ALL COMMUNICATIONS AND COORDINATION WITH TRADESMEN SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR UNLESS PREDETERMINED TO BE OTHERWISE
- ALL ELECTRICAL, MECHANICAL AND PLUMBING CONNECTIONS TO DENTAL EQUIPMENT WILL BE PERFORMED BY THE APPLICABLE TRADE RESPONSIBLE INSTALLATION PERMITS, IF REQUIRED, WILL BE OBTAINED BY THE TRADES THAT PROVIDE THAT SERVICE.
- IF NECESSARY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROCURING A MED GAS CERTIFIED PLUMBING SUB-CONTRACTOR FOR ANY LEVEL 3 NITROUS-OXYGEN CONSCIOUS SEDATION SYSTEM DETAILED IN THESE PLANS. ANY NITROUS OXIDE SYSTEM DESIGN SHOWN ON THESE PLANS IS TO BE USED AS AN ILLUSTRATION ONLY FOR THE PURPOSE OF LOCATING END USER OUTLET STATIONS, CYLINDER ROOM MANIFOLD AND ALARM PANEL. THE FINAL TRUNK SYSTEM INSTALLATION SHALL STRICTLY ADHERE TO ONLY MECHANICALLY ENGINEERED DRAWINGS, IF SUPPLIED.
- THE PLUMBING SUB-CONTRACTOR SHALL PROVIDE MED GAS CERTIFICATION IN ACCORDANCE WITH ANY REQUESTS BY THE OWNER, CONTRACTOR, BUILDING DEPARTMENT OR THE DENTAL EQUIPMENT PROVIDER PRIOR TO COMMENCING WORK ON ANY TYPE OF CUSTOMER INSTALLED NITROUS OXIDE SYSTEM BEING USED IN THE CONSTRUCTION PROJECT
- ALL PLUMBING AND ELECTRICAL LINES TO BE CONCEALED UNLESS OTHERWISE SPECIFIED.
- 10. ALL LABOR AND MATERIALS NECESSARY FOR CHANGES IN EXISTING PLUMBING, CARPENTRY, AND ELECTRICAL WORK MUST BE DONE AND SUPPLIED BY THE CONTRACTOR AND IS NOT INCLUDED IN THE COST OF THE DENTAL EQUIPMENT
- 11. THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND DO ALL PATCHING AFTER ROUGHING IN IS COMPLETED.
- 12. ALL ROUGH IN AND FINISH WORK FOR DENTAL EQUIPMENT IS TO BE ACCORDING TO TEMPLATES FURNISHED BY THE MANUFACTURERS OF THE EQUIPMENT BEING INSTALLED. A REPRESENTATIVE OF THE DENTAL EQUIPMENT PROVIDER WILL POSITION THE TEMPLATES IN THEIR PROPER LOCATIONS. AT WHICH TIME ALL SPECIFICATIONS ON THE PLANS WILL BE EXPLAINED TO THE CONTRACTOR OR SUB-CONTRACTOR(S), ALL SPECIFIED SIZES OF PIPES, TUBING, AND/OR FITTINGS, ETC., MUST BE RIGIDLY FOLLOWED AS WELL AS PROPER HEIGHTS MARKED. ANY INFRACTIONS ON SIZES OR HEIGHTS OF PIPES, TUBING AND/OR FITTINGS WILL HAVE TO BE CORRECTED BEFORE THE EQUIPMENT CAN BE INSTALLED AND SUCH EXTRA EXPENSE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND/OR SUB-CONTRACTOR.
- 13. THE DOCTOR/OWNER SHALL DESIGNATE RESPONSIBILITY FOR PROVIDING AND INSTALLING CABINETS AND COUNTERTOPS (OTHER THAN THOSE SPECIFIED AND/OR CONTRACTED BY THE DENTAL EQUIPMENT PROVIDER)
- THE DOCTOR SHALL MAKE ARRANGEMENTS FOR INSTALLATION OF NON-DENTAL SYSTEMS BEFORE WALLS ARE CLOSED.
- 15. THE DENTAL EQUIPMENT PROVIDER SHALL NOT BE HELD RESPONSIBLE FOR MULTIMEDIA SYSTEMS SUCH AS ENTERTAINMENT TVS, MONITORS, NETWORK COMPUTER SYSTEMS OR ANY ITEMS NOT SHOWN ON THESE PLANS.
- 16. GC MUST CONFIRM ALL MEASUREMENTS OF SPACE CONDITIONS PRIOR TO STARTING DEMOLITION
- 17. GC SHOULD NOTIFY THE DENTAL EQUIPMENT PROVIDER'S SPECIALIST 1(ONE GC MUST CONFIRM ALL MEASUREMENTS OF SPACE CONDITIONS PRIOR TO STARTING DEMOLITION) WEEK PRIOR TO CLOSING OF ALL WALLS, CEILINGS, FLOORS TO ALLOW FINAL INSPECTION OF INSTALLATION.
- 18. GC IS RESPONSIBLE FOR CONFIRMING ALL UTILITIES FOR EXISTING EQ BEING MOVED FROM EXISTING LOCATION OR EQUIPMENT NOT SUPPLIED BY THE DENTAL **EQUIPMENT PROVIDER**
- 19. GC IS RESPONSIBLE FOR CONFIRMING ALL UTILITIES FOR EXISTING EQ BEING MOVED FROM EXISTING LOCATION OR EQUIPMENT NOT SUPPLIED BY THE DENTAL **EQUIPMENT PROVIDER**
- 20. RADIATION PROTECTION: THE DOCTOR'S ARCHITECT/GC ARE REQUIRED TO REVIEW ALL LOCAL AND NATIONAL RADIATION AND XRAY SHIELDING REQUIREMENTS AND SUBMIT AN APPLICATION FOR REGISTRATION OF IONIZING RADIATION SOURCES. PLANS MUST BE SUBMITTED TO RADIATION CONTROL PROGRAM, IF APPLICABLE, ALONG WITH OTHER INFORMATION THEY WILL PROVIDE A LETTER OF ACCEPTABLE X-RAY PROTECTION OR ADVISE OTHERWISE. THIS APPLICATION AND PLAN SHOULD BE SUBMITTED PRIOR TO WALLS GOING UP. COPY OF APPROVAL LETTER FROM LOCAL GOVERNING BODY MUST BE PROVIDED TO THE DENTAL EQUIPMENT PROVIDER'S SPECIALIST AND SERVICE TECHNICIAN. NOTE: IF EXISTING X-RAYS TO BE REPLACED WITH NEW AND EXISTING SHIELDING IS TO BE REUSED ARCHITECT/GC MUST VERIFY NEEDS WITH LOCAL CODE OFFICER.





NEW YORK DASNY

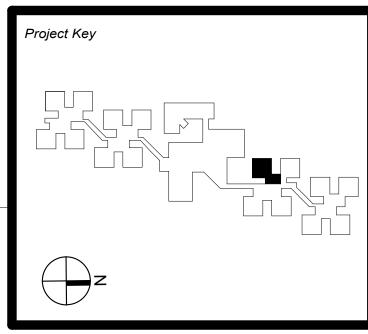
STATE OF OPPORTUNITY...

> New York, NY 10018 212-921-4142

**Vanderweil Engineers** 

1001 6th Avenue

21st Floor



REVISIONS	
Description	Date:

Project Title	
NEW YORK STATE OF OPPORTUNITY.	Office for People With Developmental Disabilities
BRO	OME DDSO

**BUILDING 4** DENTAL CLINIC

249 Glenwood Rd, Binghamton, NY 13905

BID DOCUMENTS

DENTAL GENERAL NOTES

Drawn By: | Checked By: | Date 02.12.2021 Seal & Signature DASNY Project No: 360130 Consultant Project No:

Drawing Number

600.22

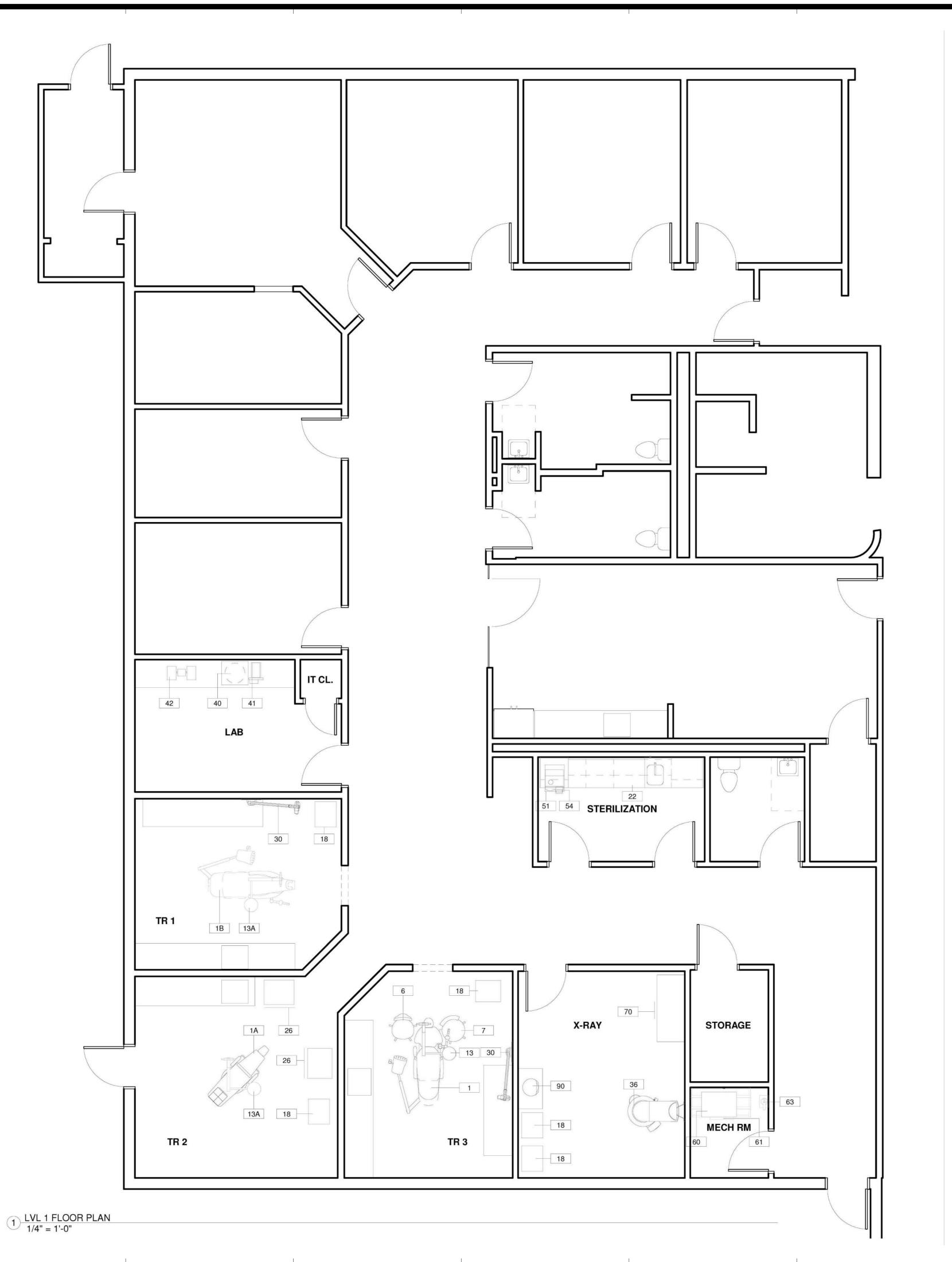
				EQUIPMENT SO	CHEDULE			
	EQUIPMENT INFO							
QTY LAB	ITEM#	DESCRIPTION	STATUS	MANUFACTUER	MODEL	SUPPLIED BY	INSTALLED BY	EQUIPMENT REMARKS
1	40	PLASTER TRAP	NW	VFY	VFY	PD	PD	
1	41	MODEL TRIMMER	NW	HANDLER MFG CO	31-SV	PD	PD	
1	42	LATHE	NW	VFY	VFY	PD	PD	
MECI		LATTIC	1444	WI I	<b>V</b> 1 1	10	וט	
1	60	COMPRESSOR	NW	AIR TECHNIQUES	AS30	PD	PD	
1		VACUUM	ER	RAMVAC	BULLDOG QT 1	DR	GC	
1	10000	AMALGAM SEPARATOR	ER	SOLMETEX	HG5	DR	PC	
1	VAR-000	UTILITY STACKING RACK	ER	AIR TECHNIQUES	56650	DR	GC	
STEF	RILIZATION				1			
1	22	STERILIZATION CABINET	NW	A-DEC	5590	PD	PD	
1	51	STERILIZER	NW	MIDMARK	M11-020	PD	PD	
1	54	STATIM	NW	SCICAN	STATIM G4	PD	PD	
TREA	ATMENT							-
1	1	DENTAL CHAIR	NW	A-DEC	A-DEC 411	PD	PD	
1	1A	DENTAL CHAIR	NW	ROYAL	R16	PD	PD	
1	1B	DENTAL CHAIR	ER	ADEC	CASCADE CHAIR	DR	GC	
1	6	STOOL DENTIST	NW	A-DEC	1601	PD	PD	
1	7	STOOL ASSISTANT	NW	A-DEC	1622	PD	PD	
1	13	DENTAL CEILING LIGHT (LED)	NW	A-DEC	A-DEC LIGHT CEILING MOUNT	PD	PD	
2	13A	DENTAL CEILING LIGHT (LED)	ER	A-DEC	EXISTING LIGHT W NEW LED HEAD	DR	GC	
3	18	ALABAMA CART	NW	MCC	ALABAMA (NO UTILITY)	PD	PD	
2	26	DELIVERY CART	NW	ADEC	CASCADE 2671- W UNIT	PD	PD	UTILITIES THRU WALL 8 UMBILICAL
2	30	INTRAORAL X-RAY	NW	PROGENY	P7017G	PD	PD	
X-RA	Υ		11					
2	18	ALABAMA CART	NW	MCC	ALABAMA (NO UTILITY)	PD	PD	
1	36	PAN 3D	NW	SIRONA DENTAL INC.		PD	PD	
1	70	IMAGING COMPUTER	NW	BY OTHER	BY OTHER	PD	PD	

### PLAN SYMBOLS

DENTAL
FURNITURE &
EQUIPMENT
DENTAL FURNITURE & EQUIPMENT
EXISTING RELOCATED

DENTAL FURNITURE &
EQUIPMENT FUTURE

EQUIPMENT NUMBER
TAG (NUMBERS ARE
RANDOM)



NEW YORK STATE OF OPPORTUNITY.

THESE DOCUMENTS CONTAIN POTENTIALLY SENSITIVE INFORMATION AND SHALL BE USED FOR THEIR INTENDED PURPOSE. ONCE THE INTENDED PURPOSE HAS CEASED, THE DOCUMENTS SHALL BE DESTROYED IN A SECURE MANNER.

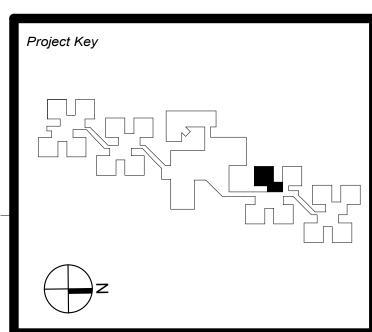
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716-883-5566 716-883-5569 fax

VANDERWEIL

Vanderweil Engineers 1001 6th Avenue 21st Floor New York, NY 10018 212-921-4142



REVISION	ONS	
	Description	Date:

Proje	ct inte	
<u>}</u>	NEW YORK STATE OF OPPORTUNITY.	Offi Dev

Office for People With Developmental Disabilities

BROOME DDSO
BUILDING 4
DENTAL CLINIC

249 Glenwood Rd, Binghamton, NY 13905

BID DOCUMENTS

DENTAL EQUIPMENT PLAN

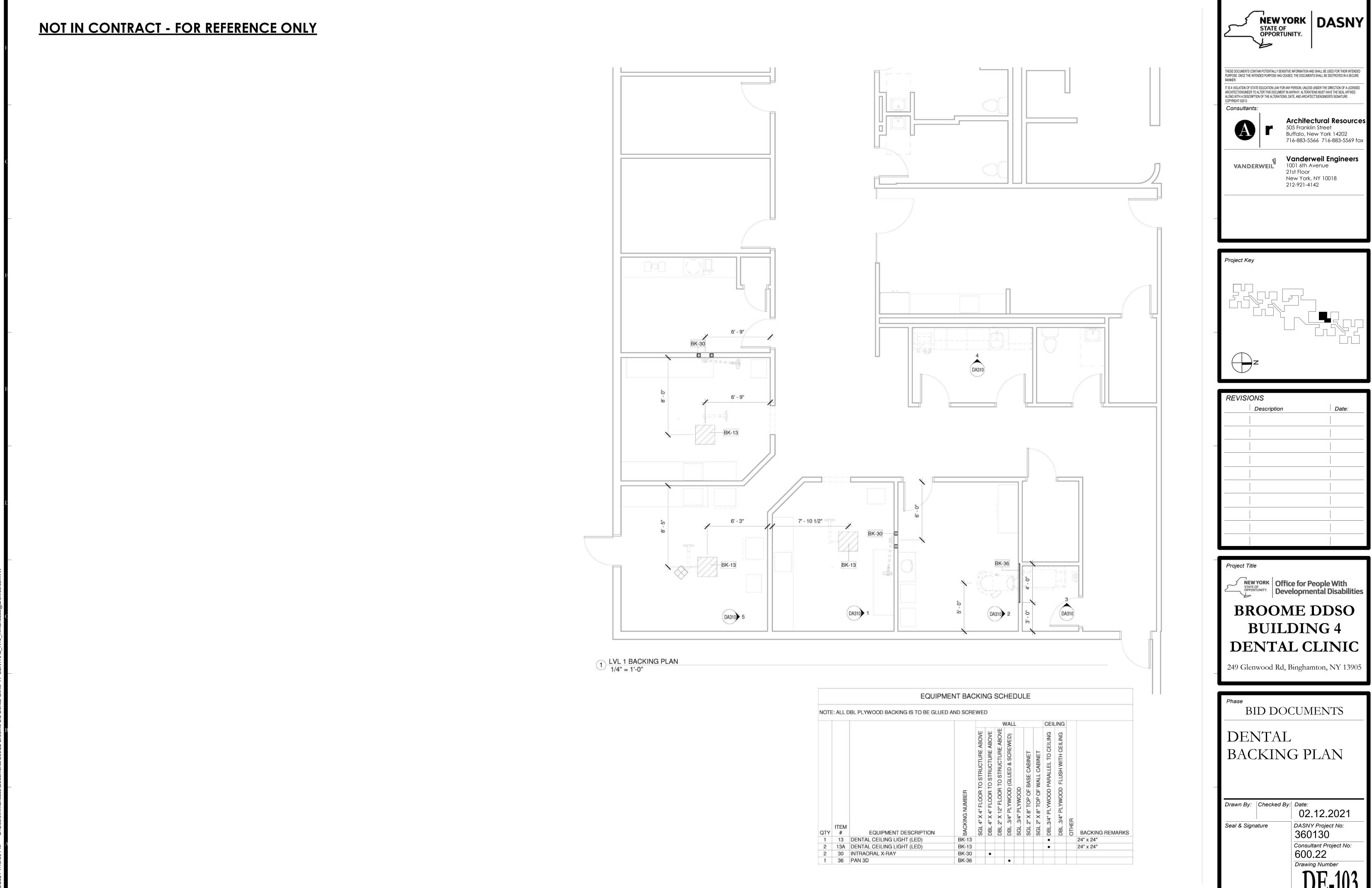
Drawn By:	Checked By:	
		02.12.2021
Seal & Signa	ature	DASNY Project No:

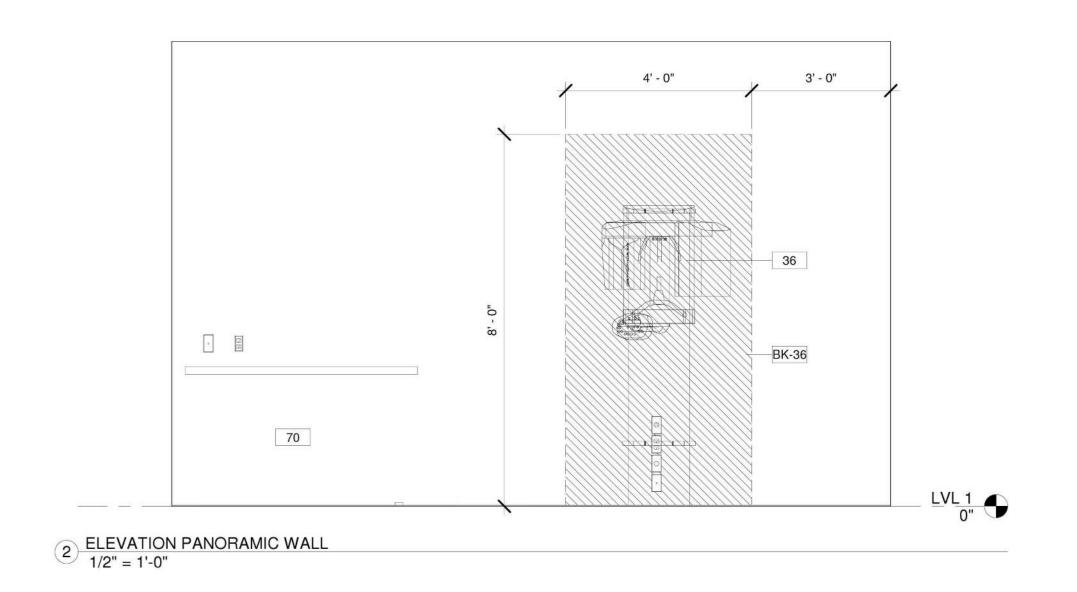
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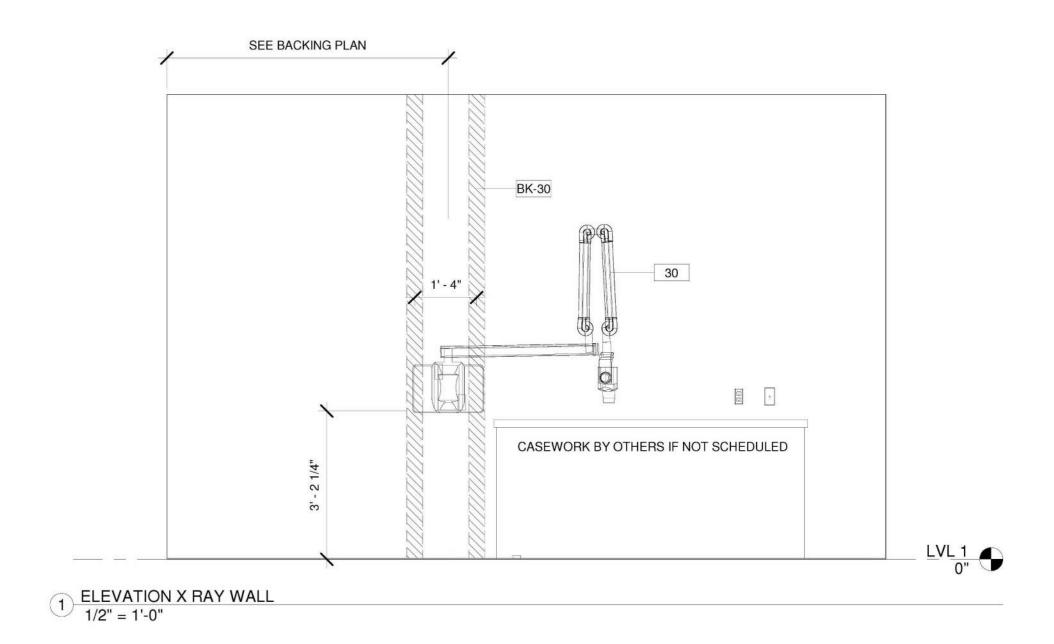
Consultant Project No:
600.22

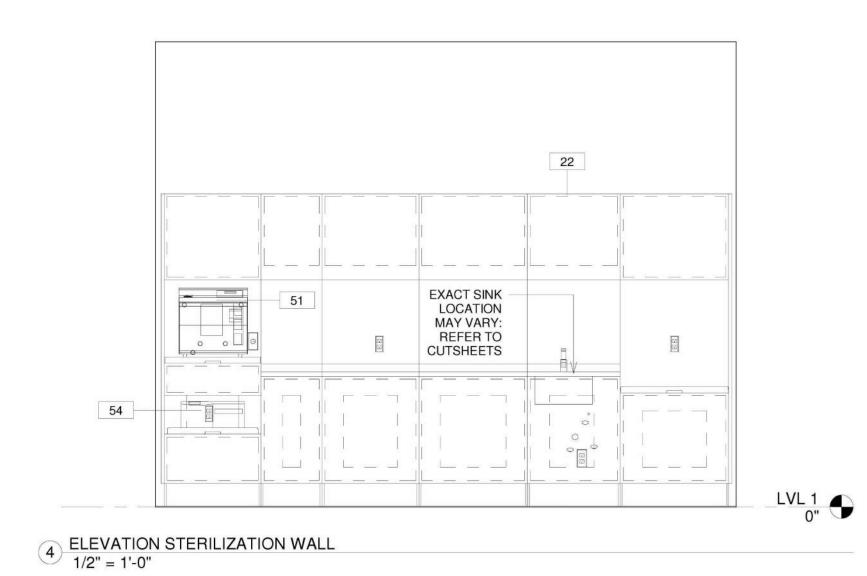
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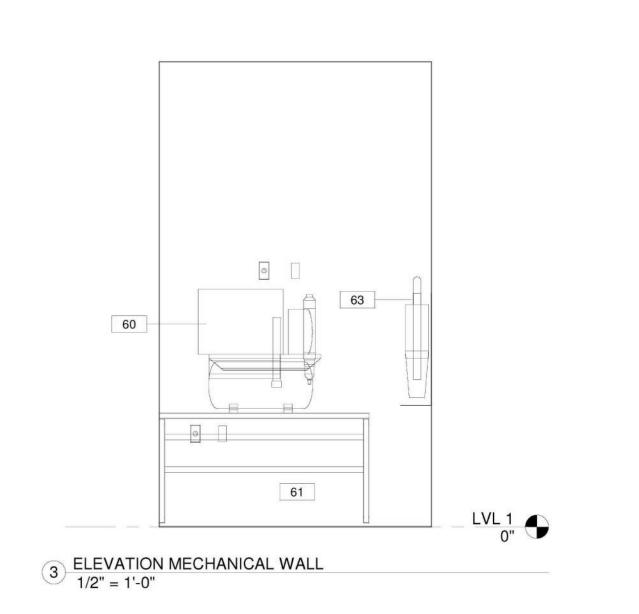
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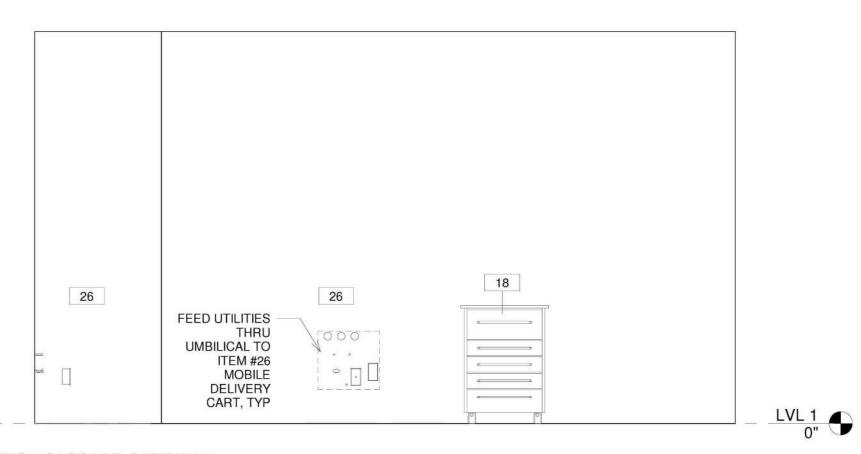












5 ELEVATION CASCADE CART WALL
1/2" = 1'-0"



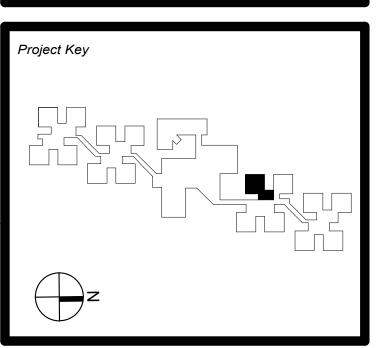
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VANDERWEIL 1

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REVISI	ONS	
	Description	Date:

Project Title	
NEW YORK STATE OF OPPORTUNITY.	Office for People With Developmental Disabilitie
BRO	OME DDSO

**DENTAL CLINIC**249 Glenwood Rd, Binghamton, NY 13905

**BUILDING 4** 

Phase BID DOCUMENTS

DENTAL ELEVATIONS

Drawn By: Checked By: Date:
02.12.2021
Seal & Signature
DASNY Project No:
360130

Consultant Project No: 600.22

Drawing Number

### **ELECTRICAL LEGEND**

ALL DEVICES SHALL BE INSTALLED PER STATE AND LOCAL CODE.
ALL LOCATIONS SHOULD BE VERIFIED WITH THE DENTAL EQUIPMENT PROVIDER'S REP OR OWNER PRIOR TO PLACEMENT

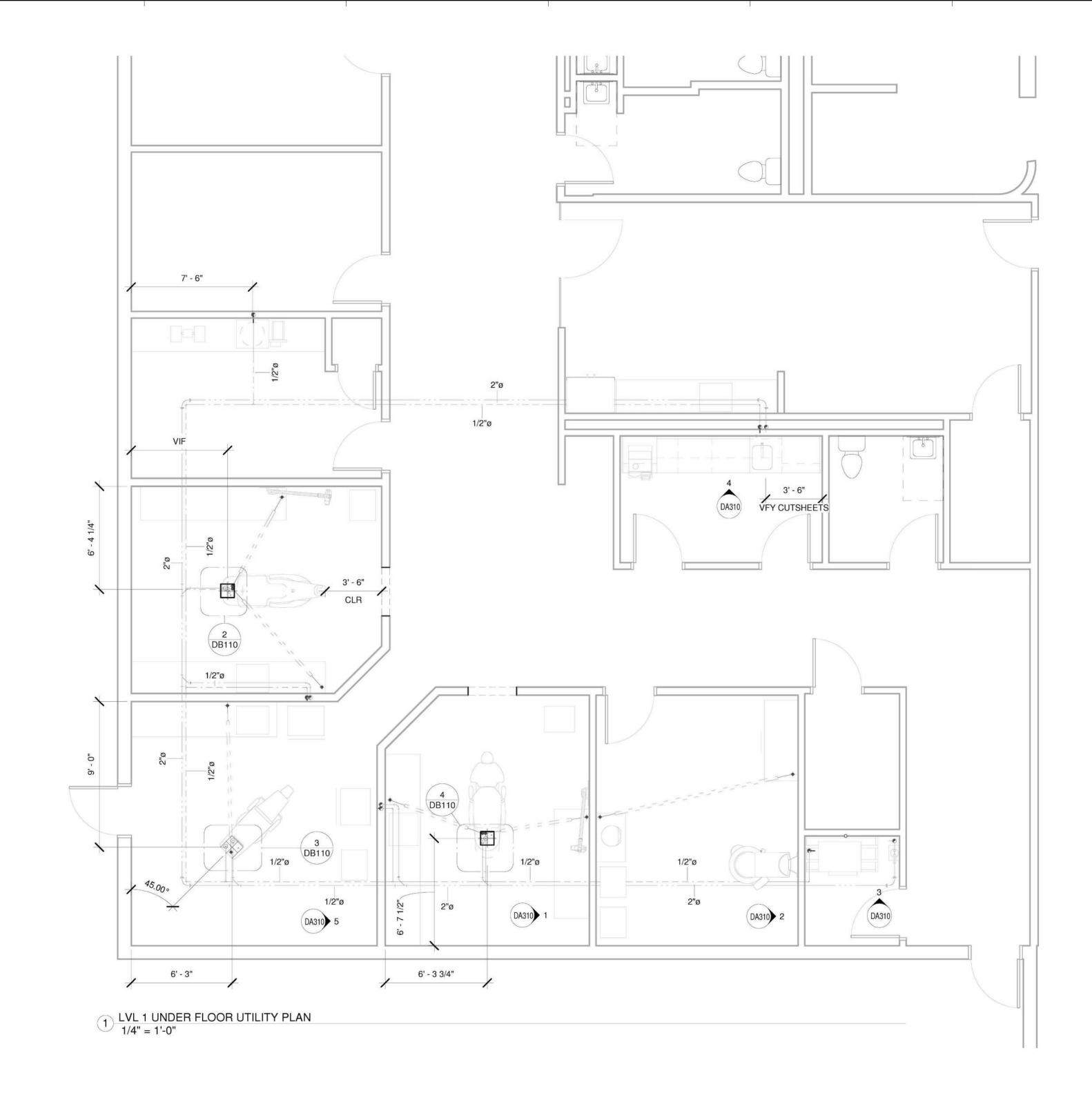
	INDICATES HEI	GHT +/- FINISHED FLOOR, IF TAG IS		
+42"	NOT PRESENT	NOT PRESENT, HEIGHT TO CENTER OF DEVICE UNLESS OTHERWISE NOTED		
0		CONDUIT WALL STUB OUT, IF TAG NOT PRESENT HEIGHT IS 3" A.F.F.		
$\bigcirc$	To the second control of the second control of the	OR STUB OUT, IF TAG NOT		
	DATA DEVICE F HEIGHT IS 1" A	FLOOR, IF TAG IS NOT PRESENT		
I	Transaction courses of the same state and a substitution of	WALL, IF TAG NOT PRESENT		
Ŧ	J-BOX WALL,LO	OW VOLTAGE, IF TAG NOT BHT IS 18" A.F.F		
Φ	TV/MONITOR D	EVICE WALL, IF TAG NOT GHT IS 72" A.F.F.		
•		Y SWITCH IN CABINET, IF TAG NOT GHT IS 60" A.F.F.		
<b>—</b>	REMOTE X-RAY	Y SWITCH WALL, IF TAG NOT GHT IS 60" A.F.F.		
<b>*</b>	REMOTE PAN S	SWITCH IN WALL, IF TAG NOT BHT IS 60" A.F.F.		
$\bigcirc$	J-BOX CLG, IF	TAG NOT PRESENT HEIGHT IS 6"		
0	J-BOX FLOOR, 1" A.F.F.	IF TAG NOT PRESENT HEIGHT IS		
5		TAG NOT PRESENT HEIGHT IS		
	120v DUPLEX C	OUTLET FLOOR, IF TAG NOT PRESENT		
Φ	120v DUPLEX C	DUTLET WALL, IF TAG NOT PRESENT		
1	HEIGHT IS 18" A.F.F. TO CENTER OF DEVICE  120v DUPLEX DEDICATED OUTLET WALL, IF TAG NOT			
8	PRESENT HEIGHT IS 18" A.F.F. TO CENTER OF DEVICE 220v SINGLE OUTLET WALL, IF TAG NOT PRESENT			
<b>(1)</b>	120v QUAD OU	A.F.F. TO CENTER OF DEVICE TLET FLOOR, MOUNTED ON		
#		TLET WALL, IF TAG NOT PRESENT		
ф	MASTER SWITC	A.F.F. TO CENTER OF DEVICE CH WALL, IF TAG NOT PRESENT		
<b>€</b> •	ELECTRONIC IN	A.F.F. TO CENTER NTERLOCK DOOR SWITCH,		
7.	LOCATED BET	WEEN DOOR PANEL AND FRAME		
•		DUAL REMOTE X-RAY SWITCH / JBOX I CABINET, 30" MIN SEPARATION, IF TAG NOT PRESENT HEIGHT IS 60" A.F.F.		
		DUAL REMOTE X-RAY SWITCH / JBOX WALL, 30" MIN SEPARATION, IF TAG NO PRESENT HEIGHT IS 60" A.F.F.		
,	\	18/3 WIRE, CABLE RUN IN WALLS OR ABOVE FINISHED CEILING		
,		18/4 WIRE, WIRES RUN IN WALLS OR ABOVE FINISHED CEILING		
,		CAT5e OR BETTER CABLE, CABLE RUN IN WALLS OR ABOVE FINISHED CEILING		
, · · ·		MANUFACTURER CABLE, CABLE RUN IN WALLS OR ABOVE FINISHED CEILING		
	= =	ELECTRICAL CONDUIT UNDER FLOOR, SIZE AS INDICATED ON		
=		PLAN		

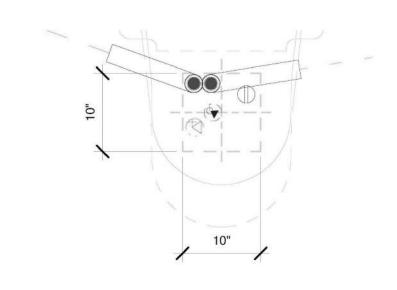
### PLUMBING LEGEND

ALL DEVICES SHALL BE INSTALLED PER STATE AND LOCAL CODES.
ALL LOCATIONS SHOULD BE VERIFIED WITH THE DENTAL EQUIPMENT

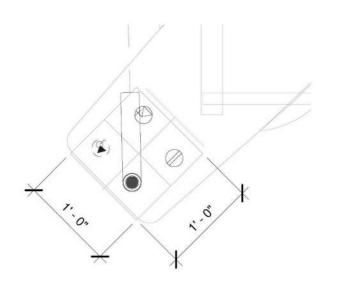
+42"	INDICATES HEIGHT +/- FINISHED FLOOR, IF TAG IS NOT PRESENT, HEIGHT TO CENTER OF DEVICE UNLESS OTHERWISE NOTED	
¥	1/2" OD. TO 3/8" OD.SHUT OFF AIR CONNECTION WALL, HEIGHT 3" A.F.F. TO CENTER IF TAG NOT PRESENT	
•	1/2" OD. TO 3/8" OD.SHUT OF FLOOR HEIGHT 3" A.F.F. TO C OTHERWISE NOTED	
	FLOOR DRAIN FLUSH WITH F	LOOR
	DIRECT DRAIN FLOOR	
	HUB DRAIN FLOOR	
•	DIRECT DRAIN WALL	
(3)	VACUUM PIPE CONNECTION FLOOR	
$\exists$	VACUUM PIPE CONNECTION WALL	
J 0 0	FRESH AIR IN MANIFOLD WALL	
J	SHUT OFF VALVE COLD WAT	ER WALL
	SHUT OFF VALVE COLD WATER FLOOR	
$\exists$	SHUT OFF VALVE HOT WATER WALL	
0	SHUT OFF VALVE HOT WATER FLOOR	
-bb-	WATER SHUT OFF	
404	WATER SHUT OFF W/FILTER	
<b>8</b>	BACKFLOW PREVENTER	
Š	1/2" OD. NITROGEN OUTLET WALL, HEIGHT 18" A.F.F. TO CENTER IF NOT OTHERWISE NOTED	
	VACUUM LINE	
	DRIVE GAS (AIR)	
	DRIVE GAS (AIR)  FILTERED CW	

NITROGEN

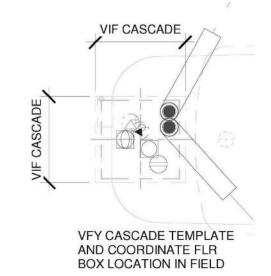




4 ENLARGED CAHIR UTILITY ITEM #1
1" = 1'-0"

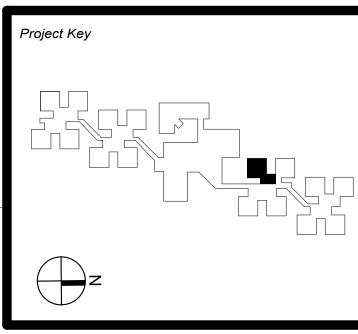


3 ENLARGED CHAIR UTILITY ITEM #1A 1" = 1'-0"



2 ENLARGED CHAIR UTILITY ITEM #1B
1" = 1'-0"





REVISIONS	
Description	Date:

NEW YORK STATE OF OPPORTUNITY.	Office for People With Developmental Disabili
BROO	OME DDSO

BUILDING 4
DENTAL CLINIC

249 Glenwood Rd, Binghamton, NY 13905

BID DOCUMENTS

DENTAL UTILITY PLAN

Drawn By: Checked By: Date:
02.12.2021

Seal & Signature
DASNY Project No:
360130

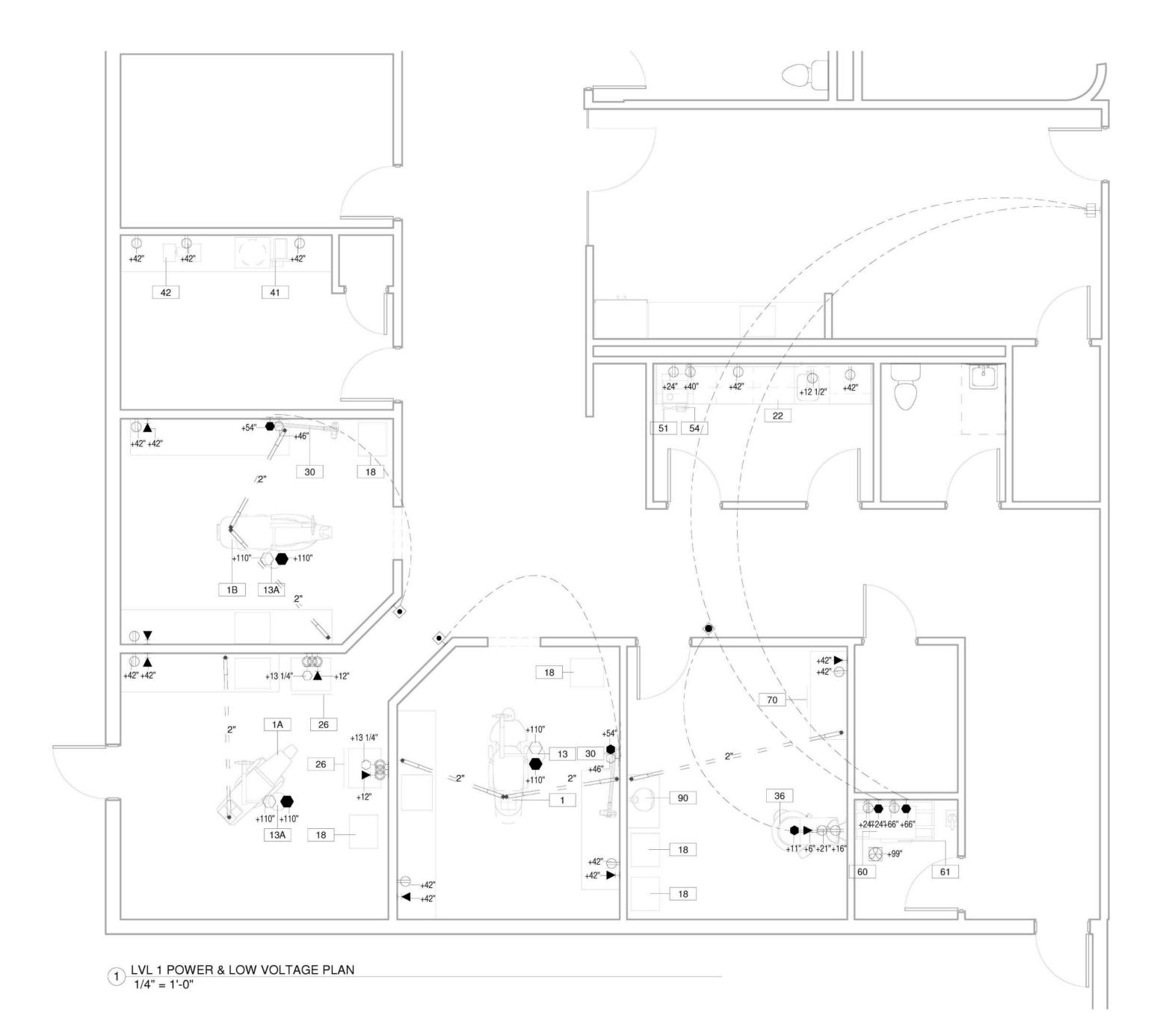
Consultant Project No: 600.22

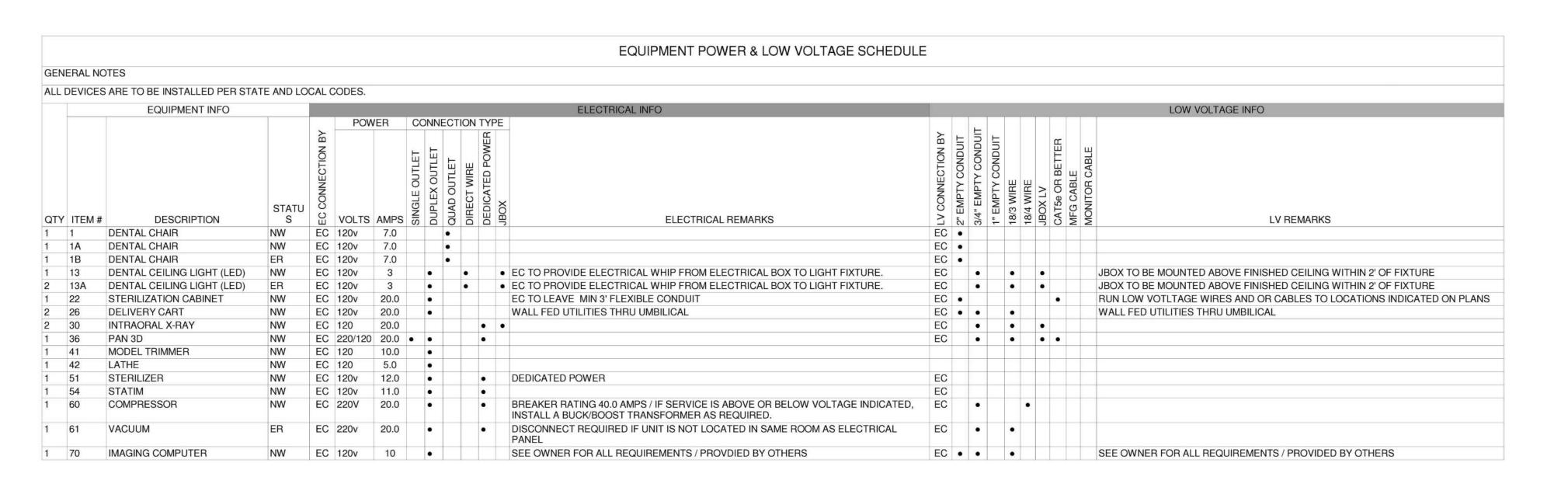
Drawing Number

### **ELECTRICAL LEGEND**

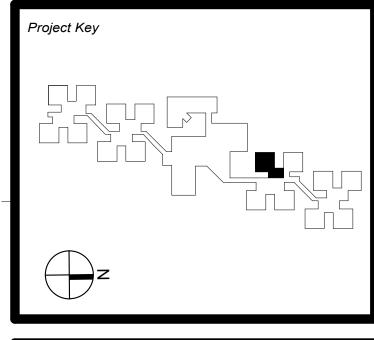
ALL DEVICES SHALL BE INSTALLED PER STATE AND LOCAL CODE.

PROVII		LD BE VERIFIED WITH THE DENTAL EQUIP DWNER PRIOR TO PLACEMENT
+42"		GHT +/- FINISHED FLOOR, IF TAG IS , HEIGHT TO CENTER OF DEVICE RWISE NOTED
$\overline{\Diamond}$	CONDUIT WALI	L STUB OUT, IF TAG NOT GHT IS 3" A.F.F.
0		OR STUB OUT, IF TAG NOT
	DATA DEVICE F HEIGHT IS 1" A.	FLOOR, IF TAG IS NOT PRESENT
Ā		WALL, IF TAG NOT PRESENT
<b>—</b>		OW VOLTAGE, IF TAG NOT GHT IS 18" A.F.F
Ф	TV/MONITOR D	EVICE WALL, IF TAG NOT GHT IS 72" A.F.F.
•		Y SWITCH IN CABINET, IF TAG NOT GHT IS 60" A.F.F.
		Y SWITCH WALL, IF TAG NOT SHT IS 60" A.F.F.
<b>\$</b>		SWITCH IN WALL, IF TAG NOT GHT IS 60" A.F.F.
$\bigcirc$	J-BOX CLG, IF TABOVE FINISHE	TAG NOT PRESENT HEIGHT IS 6" ED CEILING
0		IF TAG NOT PRESENT HEIGHT IS
5	J-BOX WALL, IF 18" A.F.F.	TAG NOT PRESENT HEIGHT IS
$\Box$	120v DUPLEX C HEIGHT IS 1" A.	OUTLET FLOOR, IF TAG NOT PRESENT F.F. TO BOTTOM OF DEVICE
Ф		OUTLET WALL, IF TAG NOT PRESENT A.F.F. TO CENTER OF DEVICE
1	120v DUPLEX D PRESENT HEIG	DEDICATED OUTLET WALL, IF TAG NOT SHT IS 18" A.F.F. TO CENTER OF DEVICE
1		UTLET WALL, IF TAG NOT PRESENT A.F.F. TO CENTER OF DEVICE
$\oplus$	120v QUAD OU FLOOR	TLET FLOOR, MOUNTED ON
$\oplus$		TLET WALL, IF TAG NOT PRESENT A.F.F. TO CENTER OF DEVICE
Ф		CH WALL, IF TAG NOT PRESENT A.F.F. TO CENTER
4,		NTERLOCK DOOR SWITCH, WEEN DOOR PANEL AND FRAME
•		DUAL REMOTE X-RAY SWITCH / JBOX IN CABINET, 30" MIN SEPARATION, IF TAG NOT PRESENT HEIGHT IS 60" A.F.F.
		DUAL REMOTE X-RAY SWITCH / JBOX WALL, 30" MIN SEPARATION, IF TAG NOT PRESENT HEIGHT IS 60" A.F.F.
,	\	18/3 WIRE, CABLE RUN IN WALLS OR ABOVE FINISHED CEILING
		18/4 WIRE, WIRES RUN IN WALLS OR ABOVE FINISHED CEILING
<i>/</i>		CAT5e OR BETTER CABLE, CABLE RUN IN WALLS OR ABOVE FINISHED CEILING
,···	••••	MANUFACTURER CABLE, CABLE RUN IN WALLS OR ABOVE FINISHED CEILING
=	= =	ELECTRICAL CONDUIT UNDER FLOOR, SIZE AS INDICATED ON PLAN
===	=====	ELECTRICAL CONDUIT ABOVE CEILING, SIZE AS INDICATED ON PLAN









REVISION	IS	
D	escription	Date:

NEW YORK STATE OF OPPORTUNITY.	Office for People With Developmental Disabilities
BROO	OME DDSO

**BUILDING 4** DENTAL CLINIC

249 Glenwood Rd, Binghamton, NY 13905

BID DOCUMENTS DENTAL POWER & LOW VOLTAGE PLAN

awn By:   Checked By:		Date: 02.12.2021
al & Signa	ature	DASNY Project No: 360130
		Consultant Project No: 600.22

Drawing Number

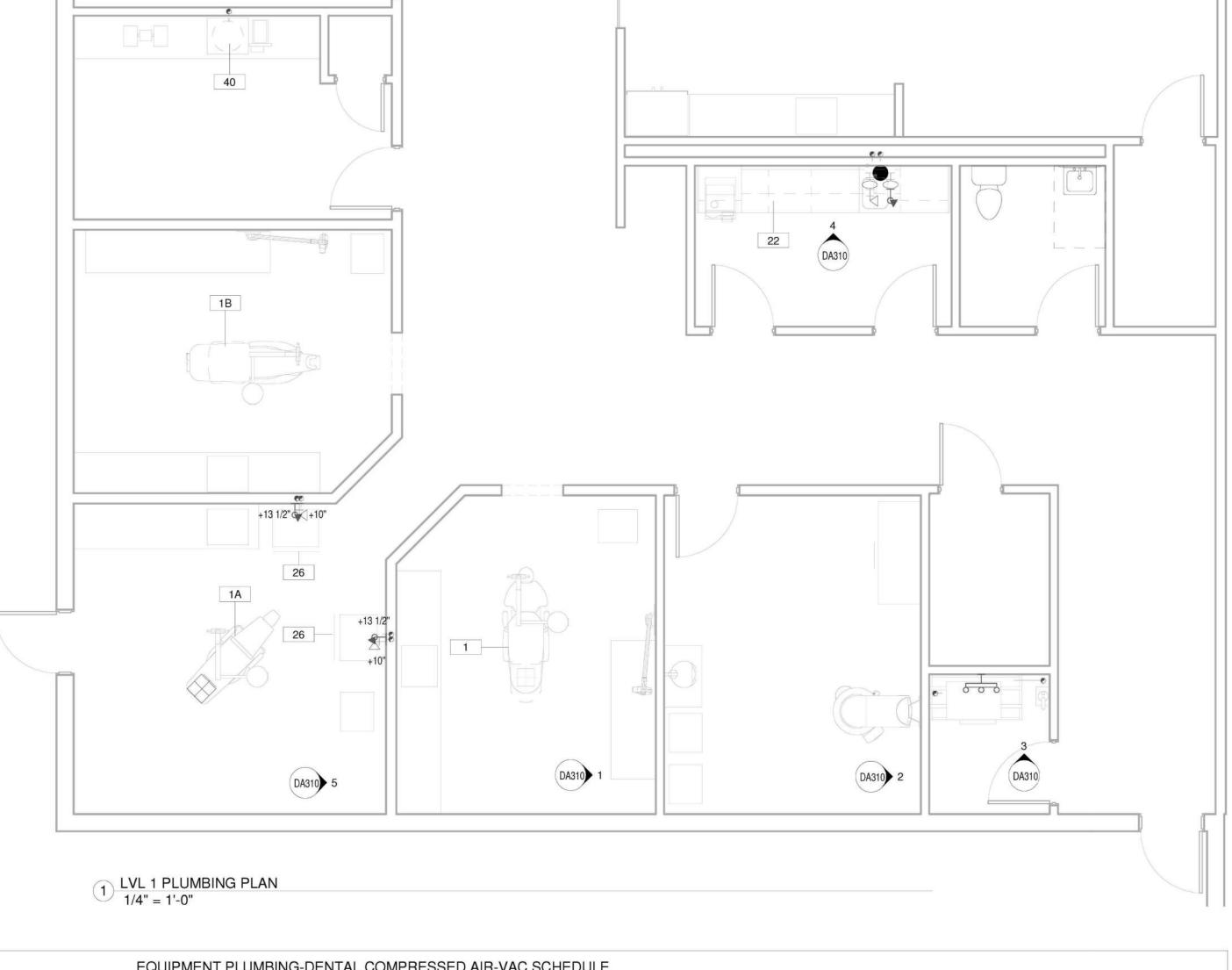
### PLUMBING LEGEND

ALL DEVICES SHALL BE INSTALLED PER STATE AND LOCAL CODES.
ALL LOCATIONS SHOULD BE VERIFIED WITH THE DENTAL EQUIPMENT PROVIDER'S REP OR OWNER PRIOR TO PLACEMENT.

+42"	INDICATES HEIGHT +/- FINISHED FLOOR, IF TAG IS NOT PRESENT, HEIGHT TO CENTER OF DEVICE UNLESS OTHERWISE NOTED	
Ţ	1/2" OD. TO 3/8" OD.SHUT OFF AIR CONNECTION WALL, HEIGHT 3" A.F.F. TO CENTER IF TAG NOT PRESENT	
•	1/2" OD. TO 3/8" OD.SHUT OFF AIR CONNECTION FLOOR HEIGHT 3" A.F.F. TO CENTER UNLESS OTHERWISE NOTED	
	FLOOR DRAIN FLUSH WITH FLOOR	
0	DIRECT DRAIN FLOOR	
	HUB DRAIN FLOOR	
•	DIRECT DRAIN WALL	
(1)	VACUUM PIPE CONNECTION FLOOR	
Ŧ	VACUUM PIPE CONNECTION WALL	
5 <del>0 0</del>	FRESH AIR IN MANIFOLD WALL	
J	SHUT OFF VALVE COLD WATER WALL	
	SHUT OFF VALVE COLD WATER FLOOR	
$\exists$	SHUT OFF VALVE HOT WATER WALL	
	SHUT OFF VALVE HOT WATER FLOOR	
<u></u>	WATER SHUT OFF	
101	WATER SHUT OFF W/FILTER	
8	BACKFLOW PREVENTER	
	1/2" OD. NITROGEN OUTLET WALL, HEIGHT 18" A.F.F. TO CENTER IF NOT OTHERWISE NOTED	
	VACUUM LINE	
	DRIVE GAS (AIR)	
	FILTERED CW	

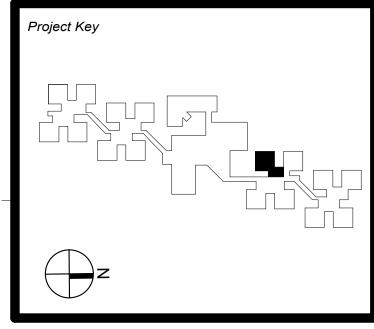
		EQL	JIPMEN	Γ EXHAUST SCHEDULE				
GEN	ERAL N	IOTES::						
BE C	AP AN	D CONCEALED FOR	FUTURE	ISTALLED AT A FUTURE DATE. ALL UTILITIES NEED TO USE  ATE AND LOCAL CODES				
		EQUIPMENT INF	0					
QTY	ITEM #	DESCRIPTION	STATU S	VENT EXHAUST REMARKS				
1	60	COMPRESSOR	NW	REQS FRESH AIR INTAKE FROM OUTSIDE BLDG				
1	61	VACUUM	ER	2" PVC SCHEDULE 80 FRESH AIR VENT REQUIRED TO OUTSIDE. / ROOM TEMP MUST NOT BE BELOW 35° OR ABOVE 100° / SEE DETAIL AN INDICATED ON PLAN				

NITROGEN



									EQUIPMENT FLOWDING-DENTAL COMP	ILC	OLL	ווא נ	1-VAC	OGUILDOLL		
GENEF	IAL NOTES:															
ALL IT	EMS TO BE INSTALLED PER ST	TATE AND L	OCAL C	ODES												
	PLUMBING								PLUMBING INFO					VAC INFO		DENTAL COMPRESSED AIR
-	PLUMBING INFO				P EOMBING INTO		-	MA	NN &	VACINIO	-	DENTAL COMPTESSED AIT				
				SUPI	PLY		SANITA	ARY		RISE	RS		NCHES			
	ΓΕΜ # DESCRIPTION	STATUS	PLUMBING CONNECTION BY 1/4" COLD WATER FLEX TUBING	COLD WATER COPPER HOT WATER COPPER	3/4" COLD WATER COPPER 3/4" HOT WATER COPPER	1" COLD WATER COPPER 3/4" COPPER TYPE M	N DIRECT	DRAIN STAND PIPE	PLUMBING REMARKS	PVC SCHEDULE	PVC SCHEDULE	3/4" PVC SCHEDULE 40 1-1/2" PVC SCHEDULE 40	2" PVC SCHEDULE 40 3" PVC SCHEDULE 40	VAC REMARKS	1/2" COPPER TYPE L OR K	COPPER TYPE
1 1	DENTAL CHAIR	NW	PC								•				•	
1 1		NW	PC								•				•	
1 1	B DENTAL CHAIR	ER	PC								•				•	
1 2	2 STERILIZATION CABINET	NW	PC	• •			•				•				•	
2 2	6 DELIVERY CART	NW	PC								•	•		SEE OWNER FOR ALL REQUIREMENTS / PROVIDED BY OTHERS	•	SEE OWNER FOR ALL REQUIREMENTS / PROVIDED BY OTHERS
1 4	PLASTER TRAP	NW	PC					W	ISTALL FOR LAB SINK AND MODEL TRIMMER. BRACE TRAP TO SUPPORT /EIGHT OF FULL TRAP AN TO SIMPLIFY THE REMOVAL OF CANISTER FOR LEANING.							
1 4	1 MODEL TRIMMER	NW					•		ONNECT WATER LINE TO SINK COLD WATER SUPPLY, CONNECT DRAIN O SINK DRAIN							
1 6		NW	PC					C	EQUIRES AIR INTAKE, 2" PVC PIPE AND FLEXIBLE HOSE WITH 70 IN. OF LEAR TUBING FOR CONNECTION TO THE AIR INTAKE OF EACH OMPRESSOR. / SEE DETAIL AS INDICATED ON PLAN.					AMBIENT TEMPERATURE MUST NOT EXCEED 105 DEGREES FAHRENHEIT, MUST BE ABOVE 41 DEGREES FAHRENHEIT	•	IF PIPE VOLUME IS TO GREAT MORE THAN 235 IN³ OR MORE THAN 100 FT. OF 1/2 DIAMETER PIPE, A PRESSURE REGULATOR SHOULD BE INSTALLED BETWEEN MAIN TANK AND THE DISTRIBUTION PIPING AND SET TO 80 PSI.
1 6	1 VACUUM	ER	PC	•		•			EQUIRES FLOOR SINK OR STAND PIPE PER LOCAL CODES PROVIDED BY THERS,				•			
1 6	3 AMALGAM SEPARATOR	ER	PC										•			





REVISIONS	
Description	Date:

Project Title	
NEW YORK STATE OF OPPORTUNITY.	Office for People With Developmental Disabilitie
RP()	OME DOSO

BROOME DDSO BUILDING 4 DENTAL CLINIC

249 Glenwood Rd, Binghamton, NY 13905

BID DOCUMENTS

DENTAL
PLUMBING PLAN

Drawn By: | Checked By: | Date: | 02.12.2021 |
Seal & Signature | DASNY Project No: | 360130

Consultant Project No:
600.22

Drawing Number