



KEY PLAN
N.T.S.



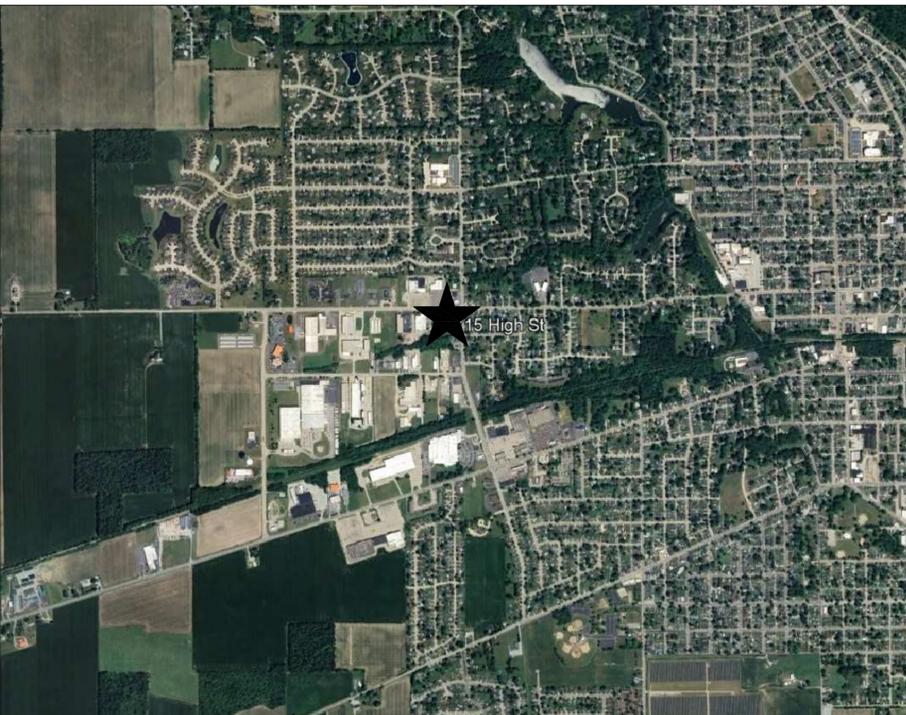
TENANT BUILD-OUT (INTERIOR PACKAGE) FOR: DR. WHARTON 1715 W. HIGH ST PIQUA, OHIO

REV.	DATE

US ARCHITECTS
 22082 LORAIN ROAD
 FAIRVIEW PARK, OHIO 44126
 PHONE 26-403-9654 FAX 440-76-8897



LOCATION PLAN



LOCATION PLAN
N.T.S.



CODE REVIEW

CODE INFORMATION :
 BUILDING CODE : OBC (2024), OMC(2024), OPC(2024), EBC(2024) AND NEC (2024)
 USE GROUP : "B" - BUSINESS
 TYPE OF CONSTRUCTION : V-B
 NON SPRINKLERED
 OVERALL BUILDING AREA : 8,656 SQ. FT.
 TENANT AREA : 4,600 SQ. FT.
 AREA OF WORK: 4,762 SQ. FT.
 CLASSIFICATION OF WORK:
 WORK AREA COMPLIANCE METHOD
 ALTERATION LEVEL 3 (SECTION 603) AREA OF WORK IS MORE THAN FIFTY PERCENT OF BUILDING AREA.
 TENANT OCCUPANCY
 OFFICES/LABS AREA :
 4,200 SQ. FT. @ 150 SQ. FT./PERSON = 28 PEOPLE
 UTILITY/STORAGES/RESTROOMS :
 200 SQ. FT. @ 300 SQ. FT./PERSON = 1 PERSON
 MAXIMUM OCCUPANCY : 29 PEOPLE

MEDICAL GAS NOTE :
 MEDICAL GAS PIPING: MEDICAL GAS PIPING INCLUDING COMPRESSED AIR AND VACUUM SYSTEM SHALL BE IN ACCORDANCE WITH THE 2021 EDITION OF N.F.P.A.-99/ASSE SERIES 6000. COMPRESSED AIR PIPING SHALL BE SEAMLESS TYPE L AND K HARD COPPER TUBING TO BE SOLDERED WITH LEAD FREE SOLDER IN ACCORDANCE WITH 2021 N.F.P.A.-99. VACUUM PIPING SHALL BE SCHEDULED 40 PVC PIPE WITH SOLVENT WELDED JOINTS. PVC PIPING PER ASTM 2665 & FITTINGS PER ASTM #2466 OR 2467. PIPING TO BE CLEANED, TESTED AND INSTALLED PER 2021 N.F.P.A.-99. INSTALL SHALL BE ASSE 6010 CERTIFIED. ALL PIPING SHALL BE LEVEL 3 CLASSIFICATION.

DRAWING INDEX

T1 - DRAWING INDEX, CODE REVIEW, BUILDING LOCATION
D1.1 - EXISTING - DEMOLITION FLOOR PLAN, DEMOLITION NOTES
A1.1 - PROPOSED FLOOR PLAN, NOTES, KEY PLAN, PARTIAL FOUNDATION PLANS, DETAIL
A1.2 - DOOR AND FINISH SCHEDULES, DETAILS, PARTITIONS TYPE, ADA REQUIREMENTS, LINTEL SCHEDULE
A2.1 - REFLECTED CEILING PLAN, LIGHT FIXTURES SCHEDULE
A3.1 - INTERIOR ELEVATIONS
A3.2 - INTERIOR ELEVATIONS
A4.1 - ARCHITECTURAL DETAILS
M1.1 - MECHANICAL PLAN, PLAN NOTES, NOTES
M2.1 - MECHANICAL DETAILS, VENTILATION SCHEDULES, EXHAUST FANS SCHEDULE, EQUIPMENT SCHEDULE
M3.1 - MECHANICAL SPECIFICATIONS
P1.1 - GENERAL NOTES & PLAN NOTES, PLUMBING PLAN
P1.2 - GENERAL NOTES & PLAN NOTES, DENTAL PLUMBING PLAN, SYMBOL LEGEND
P2.1 - PLUMBING LEGEND, NOTES, PLUMBING FIXTURE SCHEDULE
P3.1 - STACK DIAGRAM
P4.1 - DENTAL PLUMBING DETAILS
P5.1 - PLUMBING DETAILS
P6.1 - PLUMBING SPECIFICATIONS
E1.1 - ELECTRICAL POWER PLAN, EQUIPMENT SCHEDULE, NOTES, LEGEND
E2.1 - ELECTRICAL LIGHTING PLAN, LIGHT FIXTURE SCHEDULE
E3.1 - ELECTRICAL DETAILS
E4.1 - PANEL SCHEDULES, ELECTRICAL SPECIFICATIONS, ONE LINE DIAGRAM

LEON S. SAMPAT
 LICENSE # 13053
 EXPIRATION DATE 12/31/2025

TENANT BUILD-OUT FOR:
DR. WHARTON
 1715 W. HIGH ST
 PIQUA, OHIO

JOB NO: 25-190
 DATE: 10.30.2025
 ISSUE: -
 SHEET:

DEMOLITION REQUIREMENTS

1. CONDUCT DEMOLITION TO MINIMIZE INTERFERENCE WITH ADJACENT STRUCTURES.
2. CEASE OPERATIONS IMMEDIATELY IF ADJACENT STRUCTURES APPEAR TO BE IN DANGER. NOTIFY LANDLORD IMMEDIATELY. DO NOT RESUME OPERATIONS UNTIL DIRECTED.
3. CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE TO PUBLIC OR PRIVATE ACCESSSES. MAINTAIN PROTECTED EGRESS AND ACCESS AT ALL TIMES.
4. OBTAIN WRITTEN PERMISSION FROM ADJACENT PROPERTY OWNERS WHEN DEMOLITION EQUIPMENT WILL TRAVERSE, INFRINGE UPON OR LIMIT ACCESS TO THEIR PROPERTY.
5. SPRINKLE WORK WITH WATER TO MINIMIZE DUST. PROVIDE HOSES AND WATER CONNECTIONS FOR THIS PURPOSE.
6. BACK FILL AREAS EXCAVATED CAUSED AS A RESULT OF DEMOLITION.
7. MARK LOCATIONS OF EXISTING UTILITIES & WHERE THEY ARE CAPPED.
8. MAINTAIN CIRCULATION AROUND BUILDINGS DURING DEMOLITION. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS OR HYDRANTS WITHOUT PERMITS. COORDINATE ANY REQUIRED CLOSING OF SIDEWALKS OR DRIVES WITH OWNER BEFORE BLOCKING ANY AREAS.
9. PATCH AND REPAIR ANY SIDEWALKS, AND DRIVES DAMAGED DURING DEMOLITION.
10. DISCONNECT, REMOVE CAP AND IDENTIFY DESIGNATED UTILITIES WITHIN DEMOLITION AREAS.
11. DO NOT BURN OR BURY MATERIALS ON SITE. LEAVE SITE IN CLEAN CONDITION.
12. REMOVE TEMPORARY WORK.
13. INDICATE PRIOR TO WORK DEMOLITION AND REMOVAL SEQUENCE AND LOCATION OF SALVAGEABLE ITEMS, LOCATIONS AND CONSTRUCTION BARRICADES, FENCES AND TEMPORARY WORK.
14. ACCURATELY RECORD ACTUAL LOCATIONS OF CAPPED UTILITIES, SURFACE OBSTRUCTIONS, AND CHANGES TO CONTRACT DOCUMENTS.

PREPARATION

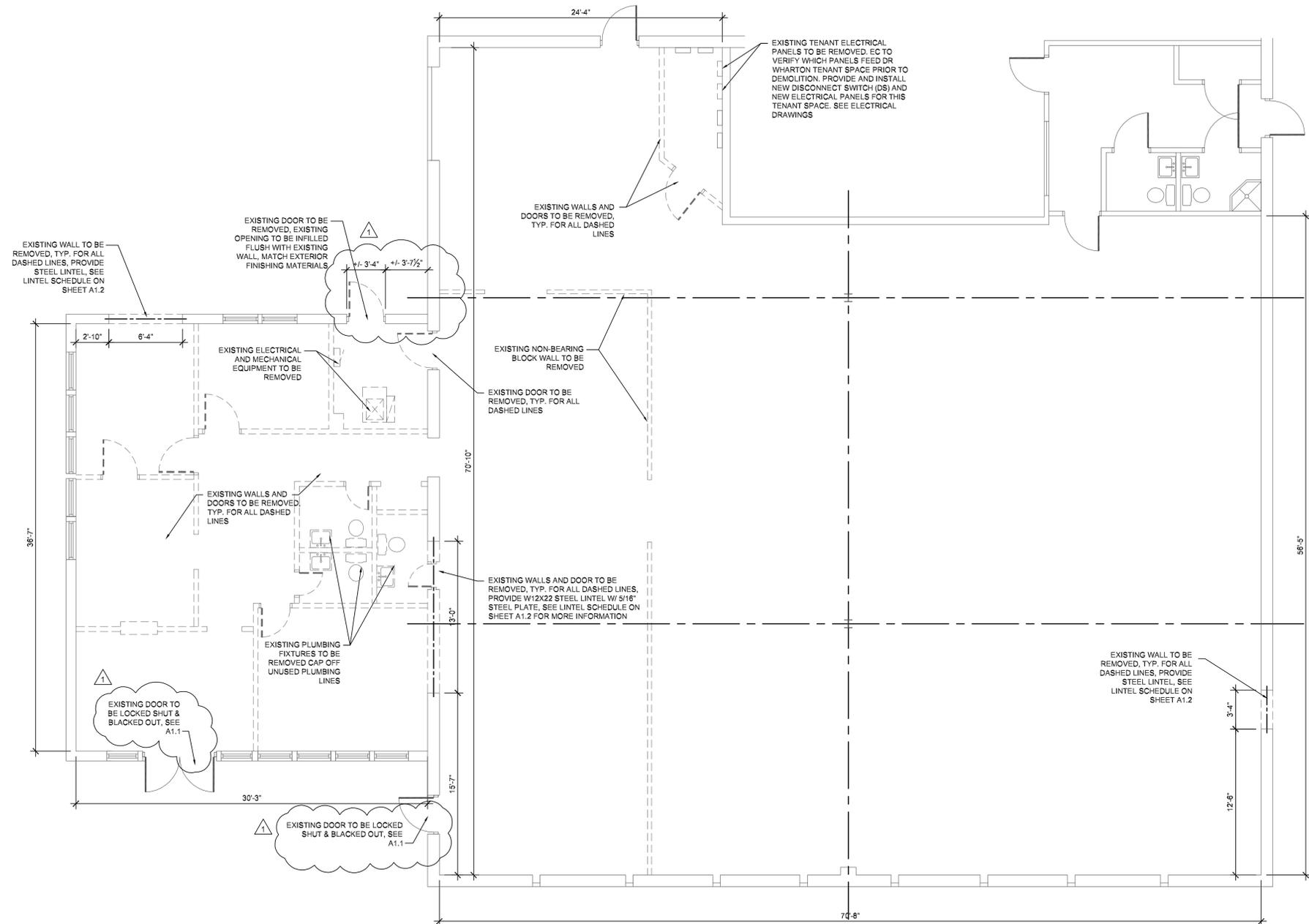
- A. PROVIDE, ERECT, AND MAINTAIN TEMPORARY BARRIERS AND SECURITY DEVICES WHERE REQUIRED.
- B. PROTECT EXISTING LANDSCAPE MATERIALS AND STRUCTURES WHICH ARE NOT TO BE DEMOLISHED.
- C. PREVENT MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES. PROVIDE BRACING AND SHORING.
- D. MARK LOCATION OF UTILITIES.

REGULATORY REQUIREMENTS

1. CONFORM TO APPLICABLE CODE FOR DEMOLITION OF STRUCTURES, SAFETY OF ADJACENT STRUCTURES, DUST CONTROL, RUNOFF CONTROL, DISPOSAL AND ACCESS DURING CONSTRUCTION.
2. OBTAIN REQUIRED PERMITS FROM AUTHORITIES.
3. NOTIFY AFFECTED UTILITY COMPANIES BEFORE STARTING WORK AND COMPLY WITH THEIR REQUIREMENTS.
4. DO NOT CLOSE OR OBSTRUCT ROADWAYS SIDEWALKS OR HYDRANTS WITHOUT PERMITS.
5. CONFORM TO APPLICABLE REGULATORY PROCEDURES WHEN DISCOVERING HAZARDOUS OR CONTAMINATED MATERIALS.

SCOPE OF DEMOLITION:

1. The following Specifications and Drawings are a general outline of demolition work to be performed on the project. The Contractor shall visit the site and familiarize himself with the specific items to be demolished and/or removed.
2. Any items omitted and/or specifically not mentioned in this general outline shall not be construed by the Contractor as relieving him of the responsibility of removing such existing conditions that may impede the installation of the new work.
3. The Contractor shall predetermine which items are to remain the property of the Landlord. All other items and debris shall be removed from the premises by the Contractor.
4. Refer to related drawings for description of demolition work.



EXISTING - DEMOLITION FLOOR PLAN
SCALE: 3/8" = 1'-0"



REV.	DATE
1	12.09.2025

LS ARCHITECTS
22082 LORAN ROAD
FAIRVIEW PARK, OHIO 44126
PHONE 408-9654 FAX 440-76-8887



LEON S. SAMPAT
LICENSE# 13053
EXPIRATION DATE: 12/31/2025

TENANT BUILD-OUT FOR:
DR. WHARTON
1715 W. HIGH ST
PIQUA, OHIO

JOB NO: 25-190
DATE: 10.30.2025
ISSUE: -

SHEET:
D1.1

GENERAL NOTES:

- For the purpose of designation for this work the Landlord is the (Lessor).
The Owner/Tenant is as noted on drawings (Lessee).
The Contractor(s) is (are) those who perform necessary and required work for the Owner/Tenant/Landlord.
- All construction shall be completely in accordance with all governing federal, state and local codes.
- Contractor shall be responsible for verification of all dimensions, locations, and elevations of existing conditions within the Tenant Space. If existing conditions are found to be in variance with the drawings, the Contractor shall report same to Architect prior to start of work.
- The General and/or Subcontractor shall be responsible for repairing any damage caused by him or his workmen during the course of construction.
- Before Contractor can start construction on the premises, the Contractor shall visit the construction site and schedule a coordination meeting with the Landlord's Project Manager for construction to determine suitable access route to the site and the premises, designated parking for Contractor, designated loading and unloading and storage areas for materials, etc. A copy of all building permits and insurance certificates must be given to the Landlord's Project Manager for coordination before construction may begin.
- "General Conditions of the Contract for Construction" (AIA Doc. 201, Latest Edition) is made part of these construction drawings and contract documents for all trades of work.
- The Contractor shall secure and pay for all necessary building permits.
- Contractor shall provide daily clean up of the premises and the surrounding areas during construction, and the removal of all construction debris from the premises to the designated area.
- Contractor shall at the completion of construction perform all cleaning operations as well as removal of trash, unused materials and equipment from the premises to leave premises ready for acceptance, furnishing and use by Owner.
- The Contractor shall not scale drawings.
- CONTRACTORS ARE RESPONSIBLE FOR MEETING ALL SPECIFICATIONS OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL BEAR RESPONSIBILITY OF ADDITIONAL INCURRENCES OF COST/LABOR/CONSTRUCTION DELAY/ETC DUE TO ANY/ALL DEVIATIONS MADE.**

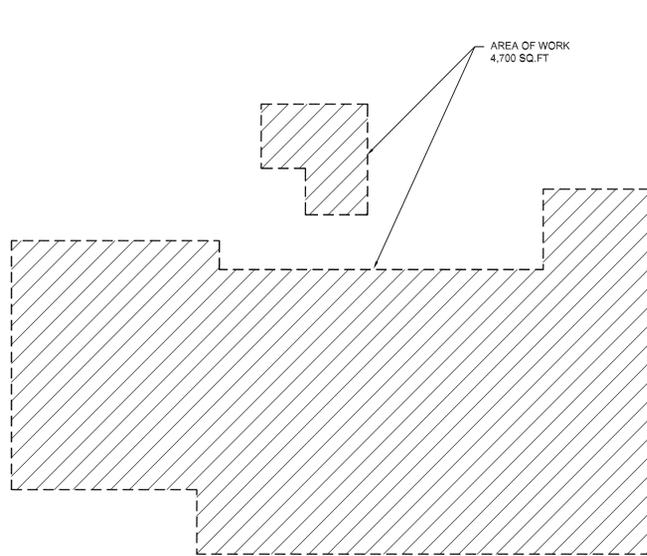
PREREQUISITES:

Before the Contractor can start actual construction on the premises, the following prerequisites must have been compiled with:

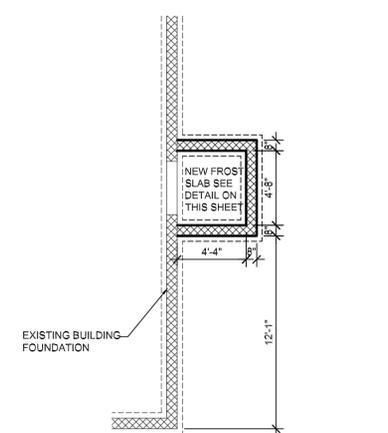
- Building permit(s) obtained and a copy of same submitted to Landlord's Project Manager. The original(s) must be posted on the job site.
- The Contractor shall be responsible for confinement of construction within the premises for as may be necessary for protection of the public, confinement of dust, debris or to screen such construction from the public view.
- Protecting existing materials, personnel and equipment from construction damage shall be this Contractor's full responsibility.
- Submittals:
 - Shop Drawings/Product data or materials and equipment proposed as substituting to that specified herein.
 - Maintenance and operation manuals.
 - Guarantees and Affidavits.
 - Copies of permits, inspection certificates.
- Cutting and Patching - The Contractor shall be responsible for all cutting and patching of "new" and "old" work as may be required to properly fit the product, materials, systems, etc. together and conform to the requirements of the drawings and specifications. The Contractor shall coordinate the work with the Subcontractors to eliminate cutting and patching of new work, and minimize areas of existing construction to be disturbed. All patching shall be satisfactory to the Architect, and match existing construction and finishes as close as possible.
- Guarantee of Materials and Workmanship - The Contractor shall guarantee that he has conformed to the requirements of the contract documents, and shall fully remedy without cost to the Owner, any and all defects in materials or workmanship due to non-compliance with the contract documents discovered within one year from date of final acceptance of the work. Guarantees for equipment and machinery shall be in accordance with standard manufacturer's guarantees.

GENERAL MATERIAL NOTES

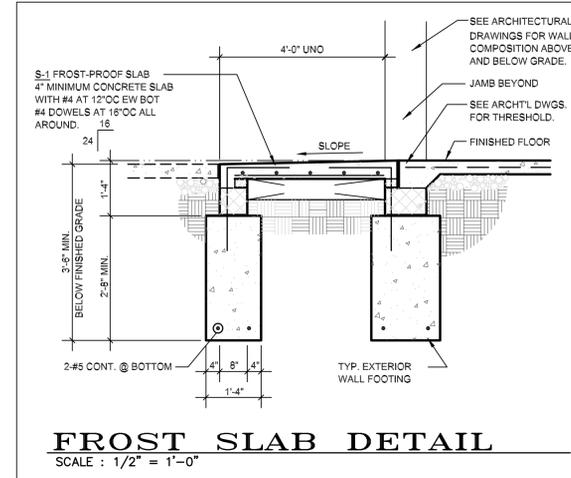
- DIVISION 6**
SECTION 06100 - ROUGH CARPENTRY
- Furnish all labor and material necessary for the complete installation of rough carpentry as indicated on the drawings and as specified in this section.
 - Plywood as called for on the plans.
 - Metal studs shall be 20 ga. 4" or 6" nominal metal studs as indicated and located on the plans.
 - Metal furring strips to be 7/8" galvanized steel hat channels.
 - Provide wood blocking as required and/or detailed on the drawings.
- DIVISION 9**
SECTION 09250 - GYPSUM WALLBOARD
- Furnish and install gypsum wallboard on 6" and 4" nominal metal studs and furring as shown on the drawings.
 - Gypsum board shall meet ASTM C36 specifications, thickness and type as indicated.
 - Provide maximum lengths available to minimize end joints.
 - TYPE: Regular, unless otherwise indicated.
 - TYPE: Type X for fire-resistance, fire rated assemblies.
 - Edges: Tapered
 - Trim Accessories: ASTM C840 manufacturer's standard trim accessories including corner bead and edge trim.
 - Joint treatment shall be per manufacturer's recommended system of joint compound and perforated tape.
 - All exposed J' loads to be taping type.
 - To be installed per manufacturer's recommendations.
- SECTION 09510 - ACOUSTICAL CEILING & GRID**
- See A-1 for locations
 - Metal Suspension System: Shall be DX grid system installed per manufacturer's recommendations. NOTE: PROVIDE ADDITIONAL HANGERS AT ALL LIGHTING FIXTURES AND DIFFUSERS. See drawings for locations.
 - In Kitchen area use FRP LAMINATED CEILING PANELS that are easily maintainable for food preparation area. Accepted as a class A panel is Armstrong Brand or equal. (See A-1)
- SECTION 09900 - PAINTING (Drywall Only)**
- All painting and applications to be performed only as per manufacturer's instructions and specifications.
 - Paints shall be manufactured by Sherwin-Williams Co. or approved equal.
 - One coat primer
 - Two coats satin latex (color to be selected).



PARTIAL FOUNDATION PLAN "A"
SCALE: 3/16" = 1'-0"

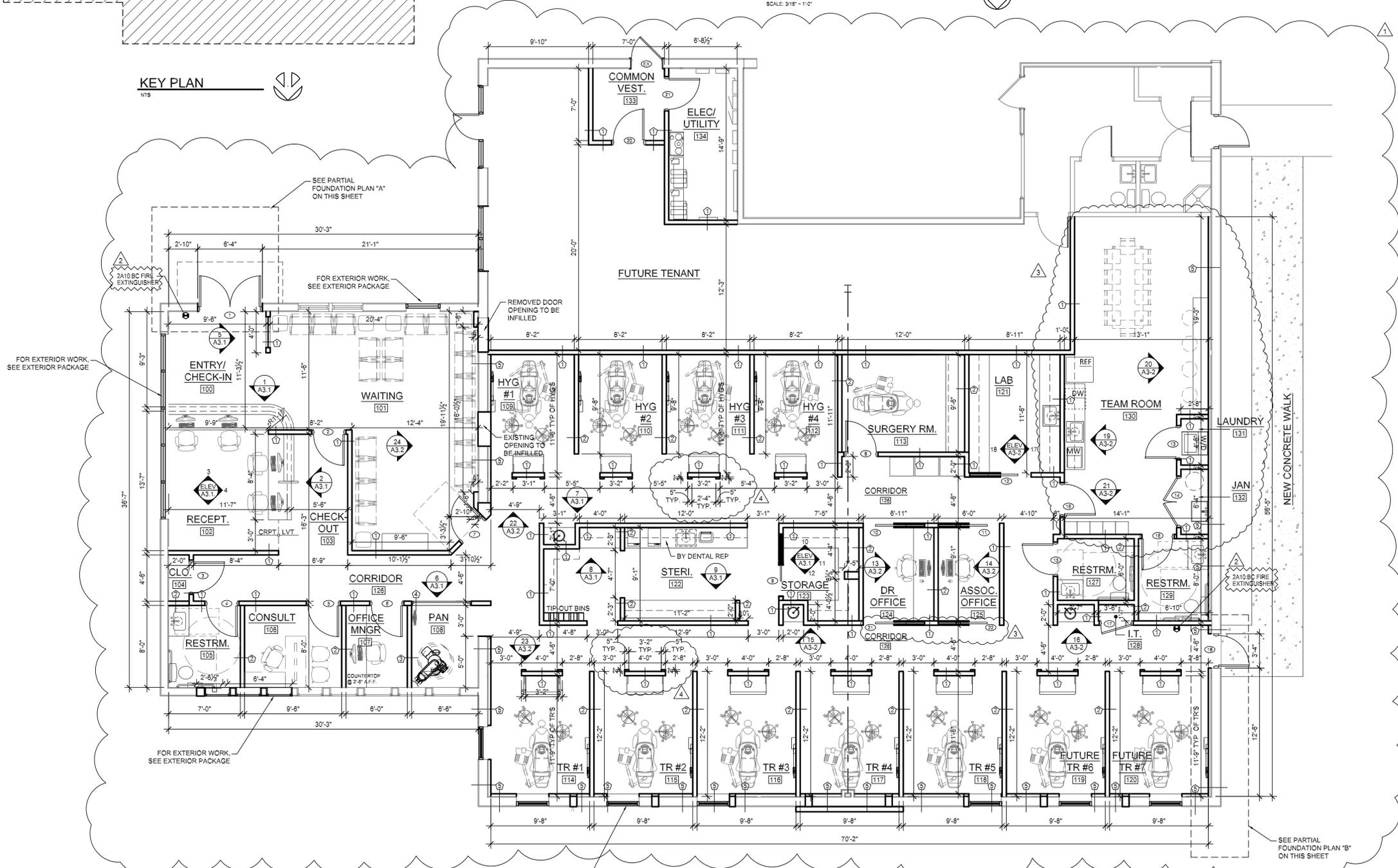


PARTIAL FOUNDATION PLAN "B"
SCALE: 3/16" = 1'-0"



FROST SLAB DETAIL
SCALE: 1/2" = 1'-0"

KEY PLAN
NTS



PROPOSED FLOOR PLAN
SCALE: 3/16" = 1'-0"

REV.	DATE
1	12.09.2025
2	01.06.2026
3	01.20.2026
4	01.29.2026

LS ARCHITECTS
22062 LORAIN ROAD
FAIRVIEW PARK, OHIO 44126
PHONE 26-403-9654 FAX 440-76-8897



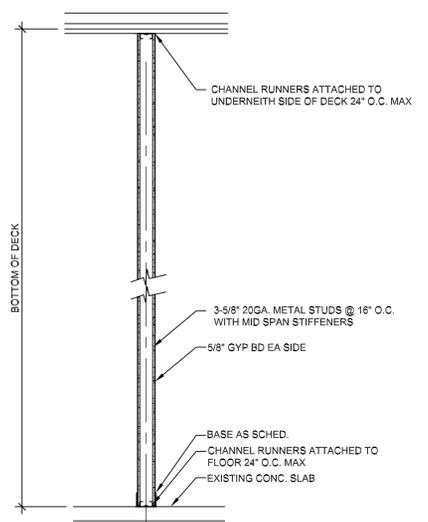
LEON S. SAMPAT
LICENSE # 13093
EXPIRATION DATE 12/31/2027

TENANT BUILD-OUT FOR:
DR. WHARTON
1715 W. HIGH ST
PIQUA, OHIO

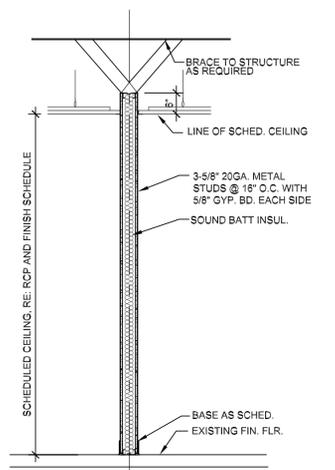
JOB NO: 25-190
DATE: 10.30.2025
ISSUE: -
SHEET:

A1.1

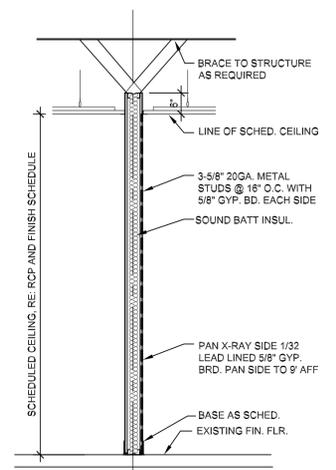
REV.	DATE
1	12.09.2025
2	01.06.2026
3	01.20.2026
4	01.29.2026



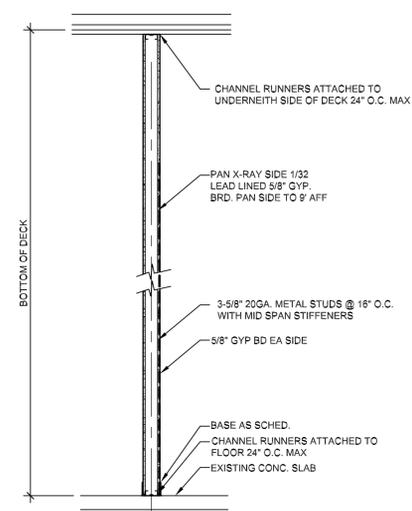
1 PARTITION DETAIL
SCALE: 1/2" = 1'-0"



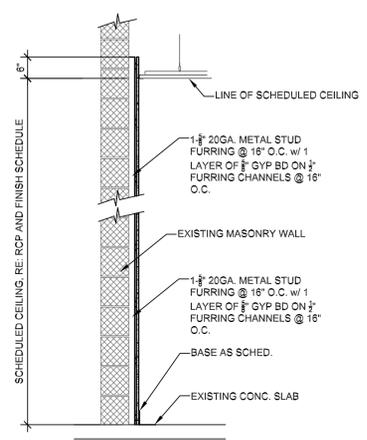
2 PARTITION DETAIL
SCALE: 1/2" = 1'-0"
FIRE RATING: NONE
PROVIDE SOUND BATT INSUL. AT ALL WALLS, TYP.
TYP. FOR ALL NEW WALLS UNLESS NOTED



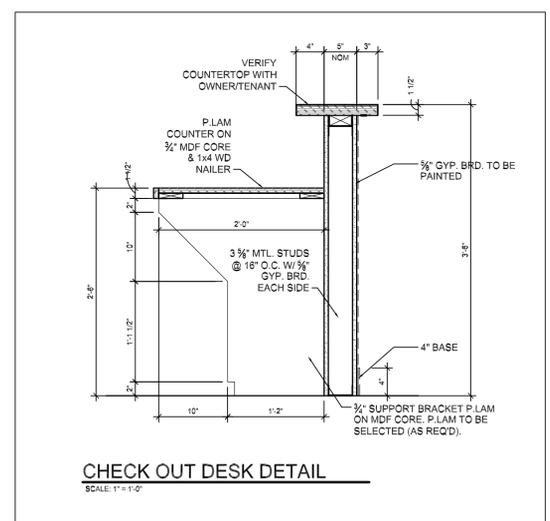
3 PARTITION DETAIL
SCALE: 1/2" = 1'-0"
FIRE RATING: NONE
PROVIDE SOUND BATT INSUL. AT ALL WALLS, TYP.
(2) 1/2\"/>



4 PARTITION DETAIL
SCALE: 1/2" = 1'-0"



5 PARTITION DETAIL
SCALE: 1/2" = 1'-0"



CHECK OUT DESK DETAIL
SCALE: 1/4" = 1'-0"

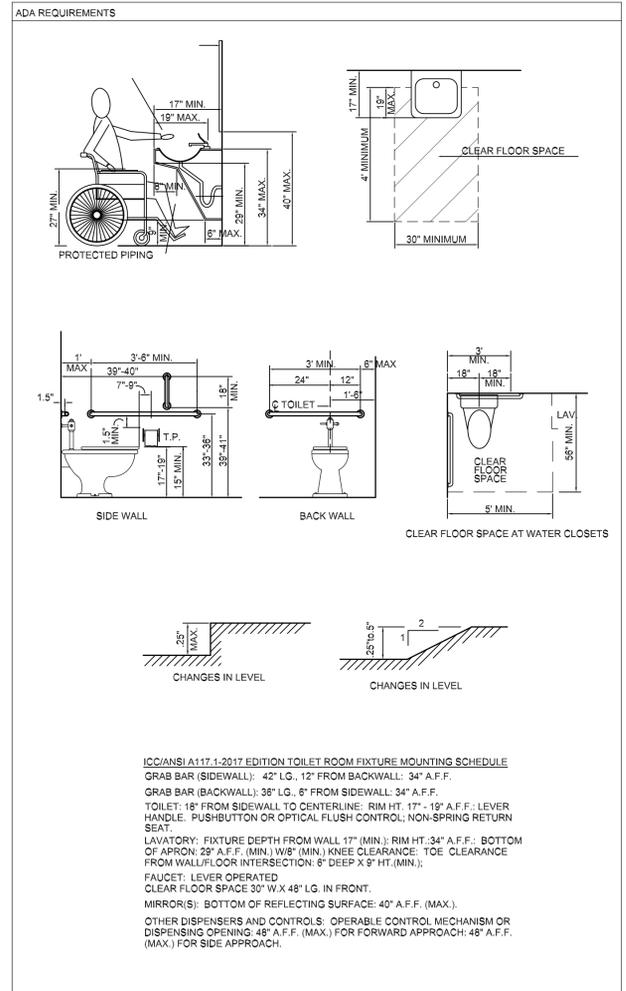
STEEL LINTEL SCHEDULE

- PROVIDE STEEL LINTELS AS PER THE FOLLOWING SCHEDULE IN ALL MASONRY WALL OPENINGS WHEN NOT SHOWN ON DRAWINGS, OR IN OPENINGS REQUIRED BY THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.
FOR OPENINGS UP TO 4'-0": L3 1/2x3 1/2x1/4
FOR OPENINGS FROM 4'-1" TO 6'-0": L5x3 1/2x5/16
FOR OPENINGS FROM 6'-1" TO 7'-0": L6x3 1/2x5/16
FOR OPENINGS FROM 7'-1" TO 10'-0": W8x18 with 5/16" Plate
FOR OPENINGS GREATER THAN 10'-0" AND NOT SHOWN ON PLANS ALLOW FOR A MINIMUM BEAM WEIGHT OF 36 PLF PLUS A 5/16" x 11" BOT PLATE
- ALL LINTELS SHALL HAVE 1" OF BEARING FOR EACH FOOT OF SPAN WITH A MINIMUM OF 6" BEARING AT EACH END.
- ALL LINTELS SHALL BEAR ON 8" OF SOLID MASONRY, U.N.C.
- USE ONE ANGLE FOR EACH 4' WYTHE OF MASONRY.
PLATES ARE TO BE 1" LESS THAN NOMINAL WALL THICKNESS.
- MINIMUM THICKNESS OF LINTELS IN EXTERIOR WALLS TO BE 5/16".

ROOM ID	ROOM NAME	FLOOR	BASE	WALLS	CEILING	HEIGHT	REMARKS
100	ENTRY/CHECK-IN	STAINED/POLISHED CONC.	VINYL	PAINT	EXPOSED	-	
101	WAITING AREA	STAINED/POLISHED CONC.	VINYL	PAINT	EXPOSED	-	
102	RECEPTION	CARPET	VINYL	PAINT	GYP. BRD	8'-6"	
103	CHECK-OUT	LVT	VINYL	PAINT	GYP. BRD	8'-6"	
104	CLOSET	LVT	VINYL	PAINT	A.C.T.	8'-6"	
105	RESTROOM	PORCELAIN TILES	TILES	EPOXY PT	GYP. BRD	8'-6"	
106	CONSULT	CARPET	VINYL	PAINT	A.C.T.	8'-6"	
107	OFFICE MANAGER	CARPET	VINYL	PAINT	A.C.T.	8'-6"	
108	PAN	LVT	VINYL	PAINT	A.C.T.	8'-6"	
109	HYG #1	LVT	VINYL	PAINT	VARIES	VARIES	SEE RCP SHEET A2.1
110	HYG #2	LVT	VINYL	PAINT	VARIES	VARIES	SEE RCP SHEET A2.1
111	HYG #3	LVT	VINYL	PAINT	VARIES	VARIES	SEE RCP SHEET A2.1
112	HYG #4	LVT	VINYL	PAINT	VARIES	VARIES	SEE RCP SHEET A2.1
113	SURGERY RM.	LVT	VINYL	PAINT	A.C.T.	8'-6"	
114	TR #1	LVT	VINYL	PAINT	VARIES	VARIES	SEE RCP SHEET A2.1
115	TR #2	LVT	VINYL	PAINT	VARIES	VARIES	SEE RCP SHEET A2.1
116	TR #3	LVT	VINYL	PAINT	VARIES	VARIES	SEE RCP SHEET A2.1
117	TR #4	LVT	VINYL	PAINT	VARIES	VARIES	SEE RCP SHEET A2.1
118	TR #5	LVT	VINYL	PAINT	VARIES	VARIES	SEE RCP SHEET A2.1
119	FUTURE TR #6	LVT	VINYL	PAINT	VARIES	VARIES	SEE RCP SHEET A2.1
120	FUTURE TR #7	LVT	VINYL	PAINT	VARIES	VARIES	SEE RCP SHEET A2.1
121	LAB	LVT	VINYL	PAINT	A.C.T.	8'-6"	
122	STERIL	LVT	VINYL	PAINT	A.C.T.	8'-6"	
123	STORAGE	LVT	VINYL	PAINT	A.C.T.	8'-6"	
124	DR OFFICE	CARPET	VINYL	PAINT	A.C.T.	8'-6"	
125	ASSOC OFFICE	CARPET	VINYL	PAINT	A.C.T.	8'-6"	
126	CORRIDOR	LVT	VINYL	PAINT	EXPOSED	-	
127	RESTROOM	PORCELAIN TILES	TILES	EPOXY PT	GYP. BRD	8'-6"	
128	I.T.	LVT	VINYL	PAINT	A.C.T.	8'-6"	
129	RESTROOM	PORCELAIN TILES	TILES	EPOXY PT	GYP. BRD	8'-6"	
130	TEAM ROOM	LVT	VINYL	PAINT	EXPOSED	-	
131	LAUNDRY	LVT	VINYL	PAINT	EXPOSED	-	
132	JAN	LVT	5\"/>				

FINISH SCHEDULE NOTES:
1. ALL FINISHES SHALL HAVE NOT LESS THAN CLASS 'B' RATING IN ALL EXIT ACCESS CORRIDORS AND OTHER EXITWAYS, AND CLASS 'C' IN ALL OTHER AREAS.
2. ACT CEILING TO HAVE SMOOTH FINISH, GREY OR BLACK COLOR.
3. GO TO VERIFY/GET APPROVAL ALL FINISHES WITH OWNER PRIOR TO ORDER.
4. SEE INTERIOR DESIGN PACKAGE FOR ALL FINISHES.

HARDWARE	DOOR TYPES	DOOR & FRAME SCHEDULE
SET 1 - OFFICE 1-1/2 PR. HINGE-BUTTS OFFICE LOCK SET FLOOR STOP	A	DOOR & FRAME SCHEDULE
SET 2 - PASSAGE 1-1/2 PR. HINGE-BUTTS PASSAGE LOCK SET FLOOR STOP DOOR CLOSER	B	DOOR & FRAME SCHEDULE
SET 3 - RESTROOM 1-1/2 PR. HINGE-BUTTS PRIVACY LOCK SET FLOOR STOP COAT AND HAT HOOK	C	DOOR & FRAME SCHEDULE
SET 4 - CLOSET/STORAGE 1-1/2 PR. HINGE-BUTTS STOREROOM LOCK SET FLOOR STOP	D	DOOR & FRAME SCHEDULE
SET 5 - PASSAGE 1-1/2 PR. HINGE-BUTTS PASSAGE LOCK SET FLOOR STOP	E	DOOR & FRAME SCHEDULE
SET 6 - POCKET DOOR PRIVACY POCKET DOOR LOCK SET PRE-ASSEMBLED TRACK & HANGERS	F	DOOR & FRAME SCHEDULE
SET 7 - ENTRY 1-1/2 PR. HINGE-BUTTS ENTRY LOCK SET DOOR CLOSER SEALS THRESHOLD		DOOR & FRAME SCHEDULE
SET 8 - UTILITY (BI-FOLD DOOR) BI-FOLD DOOR KIT		DOOR & FRAME SCHEDULE
SET 9 - UTILITY (DOUBLE DOOR) 3 PR. HINGE-BUTTS STOREROOM LOCK SET DOOR CLOSER		DOOR & FRAME SCHEDULE
SET 10 - INTERIOR ENTRY 1-1/2 PR. HINGE-BUTTS INTERIOR ENTRY LOCK SET DOOR CLOSER		DOOR & FRAME SCHEDULE
SET 11 - CLOSET/STORAGE 1-1/2 PR. HINGE-BUTTS STOREROOM KEYED LOCK SET FLOOR STOP		DOOR & FRAME SCHEDULE
SET 12 - RUSTICA PROVINCE METAL DOOR HARDWARE BY MANUF. PASSAGE LOCK SET FLOOR STOP DOOR CLOSER		DOOR & FRAME SCHEDULE



ICC/ANSI A117.1-2017 EDITION TOILET ROOM FIXTURE MOUNTING SCHEDULE
GRAB BAR (SIDEWALL): 42" LG., 12" FROM BACKWALL; 34" A.F.F.
GRAB BAR (BACKWALL): 38" LG., 6" FROM SIDEWALL; 34" A.F.F.
TOILET: 16" FROM SIDEWALL TO CENTERLINE; RIM HT. 17" - 19" A.F.F.; LEVER HANDLE; PUSHBUTTON OR OPTICAL FLUSH CONTROL; NON-SPRING RETURN SEAT.
LAVATORY: FIXTURE DEPTH FROM WALL 17" (MIN.); RIM HT. 34" A.F.F.; BOTTOM OF APRON: 29" A.F.F. (MIN.); W8" (MIN.) KNEE CLEARANCE; TOE CLEARANCE FROM WALL/FLOOR INTERSECTION: 6" DEEP X 9" HT. (MIN.); FAUCET: LEVER OPERATED CLEAR FLOOR SPACE 30" W X 48" LG. IN FRONT.
MIRROR(S): BOTTOM OF REFLECTING SURFACE: 40" A.F.F. (MAX.).
OTHER DISPENSERS AND CONTROLS: OPERABLE CONTROL MECHANISM OR DISPENSING OPENING: 48" A.F.F. (MAX.) FOR FORWARD APPROACH; 48" A.F.F. (MAX.) FOR SIDE APPROACH.

LS ARCHITECTS
22082 LORAN ROAD
FAIRVIEW PARK, OHIO 44126
PHONE 26-403-9954 FAX 440-76-8897



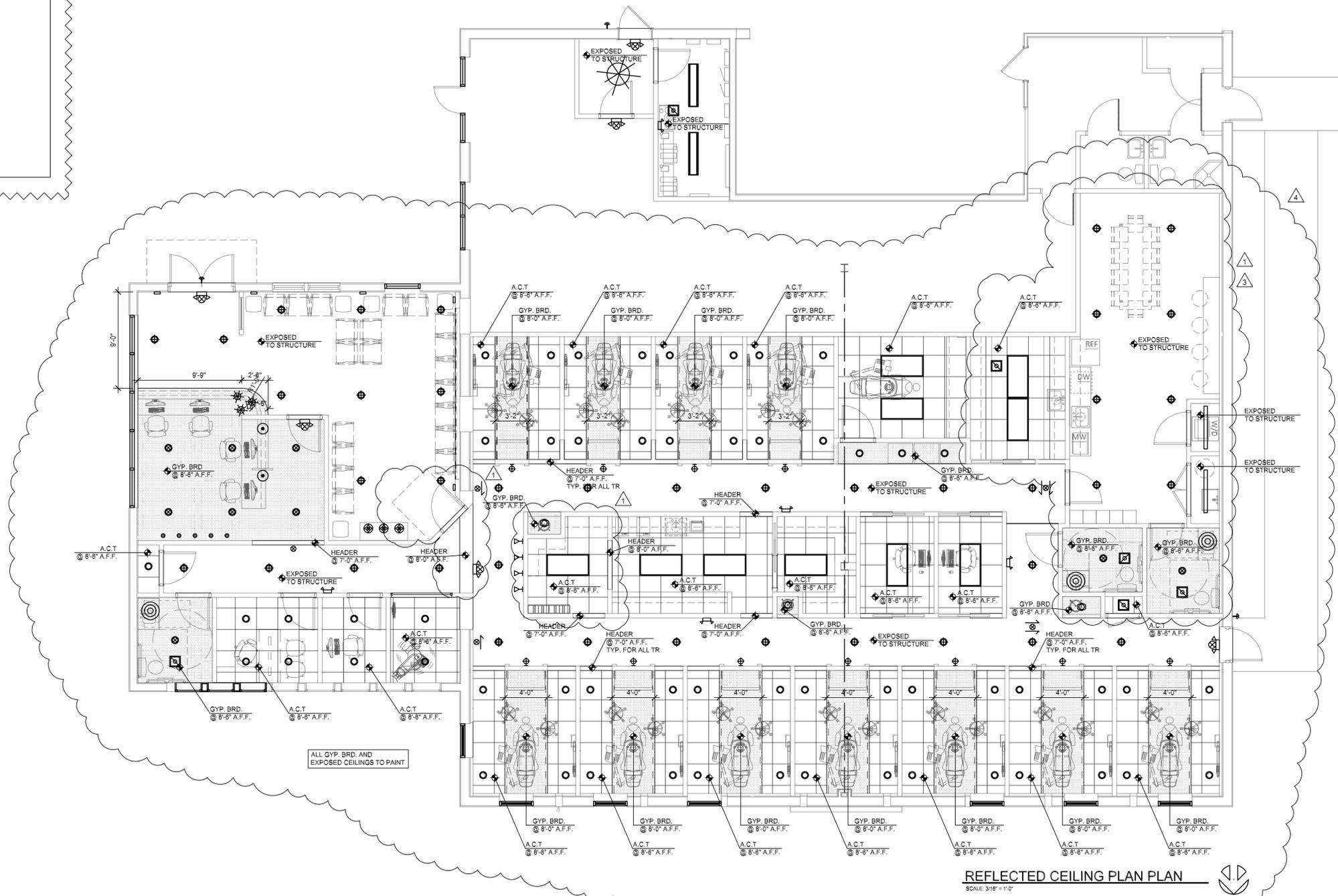
TENANT BUILD-OUT FOR:
DR. WHARTON
1715 W. HIGH ST
PIQUA, OHIO

LEON S. SAMPAT
LICENSE NO. 13053
EXPIRATION DATE 12/31/2027

JOB NO: 25-190
DATE: 10.30.2025
ISSUE: -
SHEET:
A1.2

LIGHT FIXTURE LEGEND

	6" RECESSED LED DOWNLIGHT		EXIT LIGHT
	6" RECESSED LED DOWNLIGHT		EMERGENCY LIGHT
	4" RECESSED LED DOWNLIGHT		EMERGENCY LIGHT REMOTE HEAD
	RECESSED LED 2x4		EXHAUST FAN
	CHANDELIER		
	PENDANT LIGHT		
	SCONCE LIGHT		
	SCONCE LIGHT		
	SCONCE LIGHT		
	COVE LIGHTING, TIVOLI MINI FLEX DIRECT		
	CHAIN HUNG LED FIXTURE		



REFLECTED CEILING PLAN PLAN
SCALE: 3/16" = 1'-0"

REV.	DATE
1	12.09.2025
2	01.06.2026
3	01.20.2026
4	01.29.2026

LS ARCHITECTS
22082 LORAIN ROAD
FAIRVIEW PARK, OHIO 44126
PHONE 26-403-9854 FAX 440-76-8897



LEON S. SAMPAT
LICENSE# 13053
EXPIRATION DATE 12/31/2027

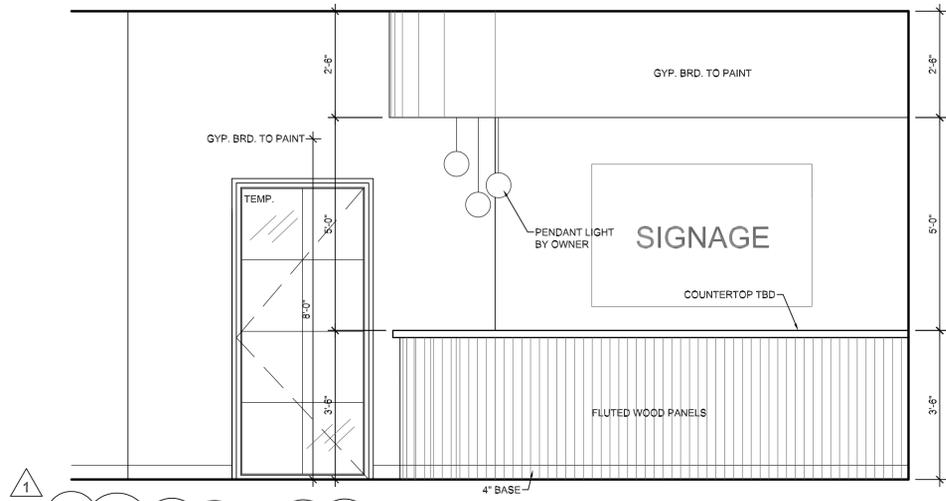
TENANT BUILD-OUT FOR:
DR. WHARTON
1715 W. HIGH ST
PIQUA, OHIO

JOB NO: 25-190
DATE: 10.30.2025
ISSUE: -
SHEET:

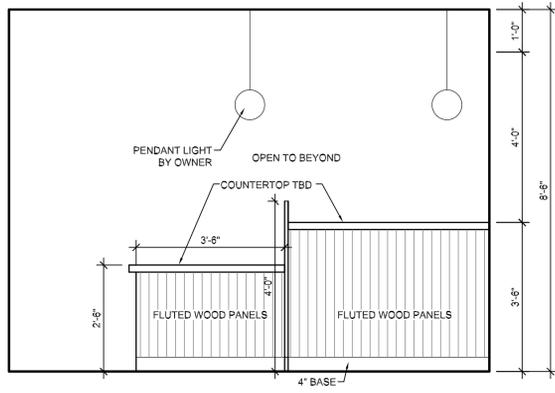
A2.1

GENERAL NOTES:
 1- GC TO VERIFY ALL FINISHES WITH INTERIOR DESIGNER/OWNER
 2- GC TO VERIFY ALL CABINETRY WITH OWNER AND/OR DENTAL REP. PRIOR TO ORDER/FABRICATION

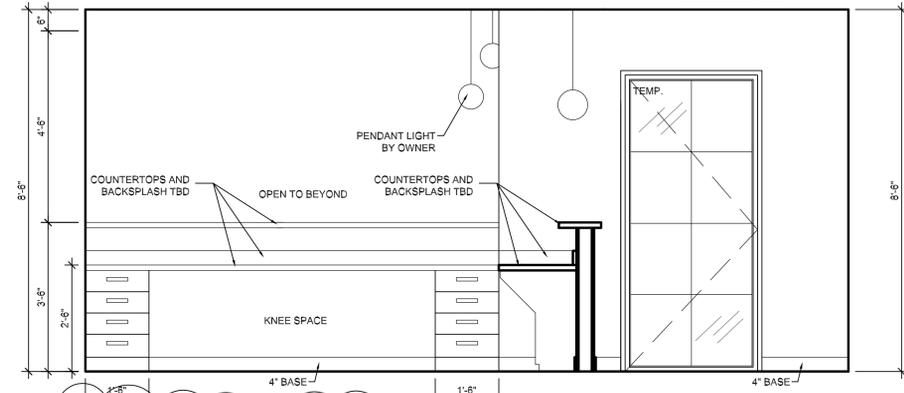
REV.	DATE
1	12.09.2025
2	01.06.2026
3	01.20.2026
4	01.29.2026



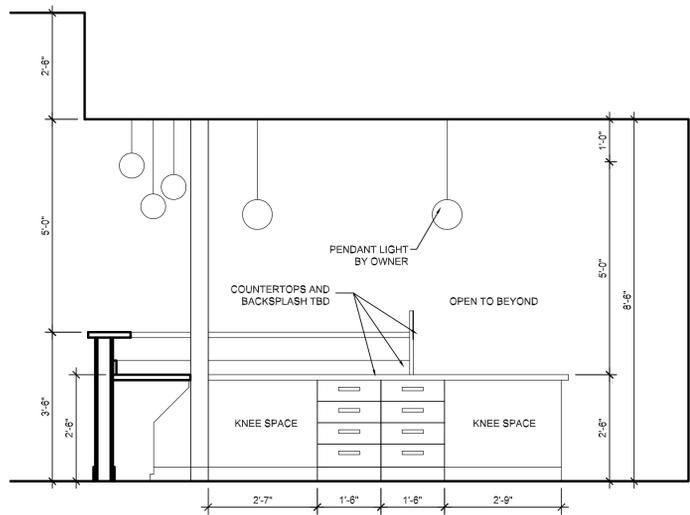
1 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



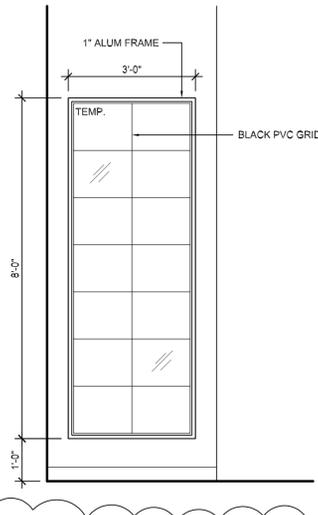
2 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



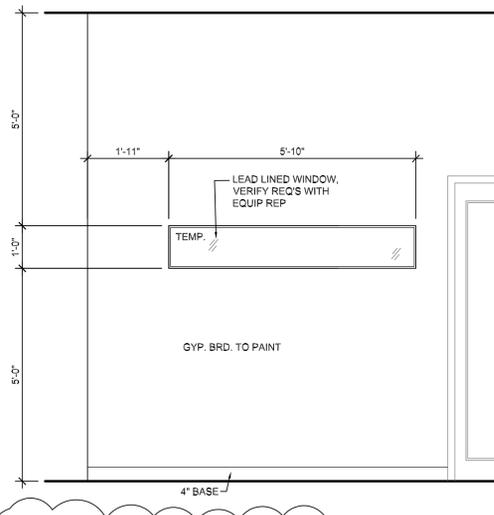
3 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



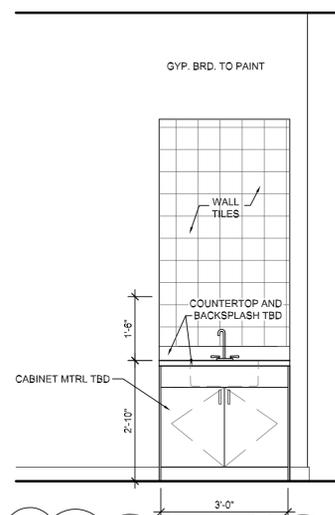
4 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



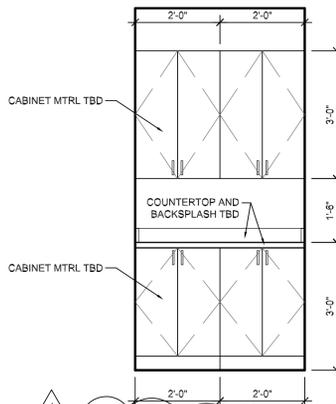
5 NOT USED
 SCALE: 1/2" = 1'-0"



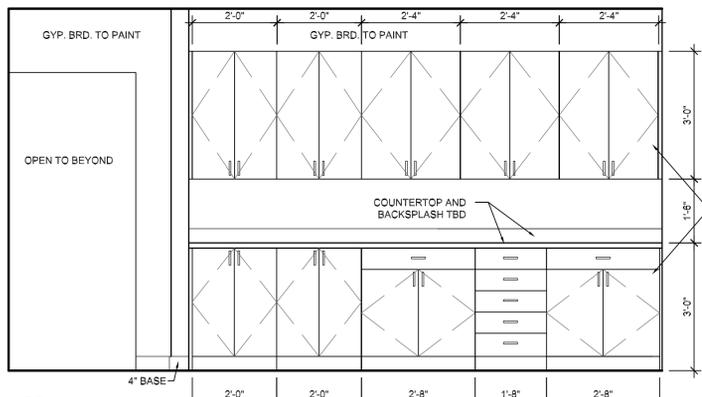
6 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



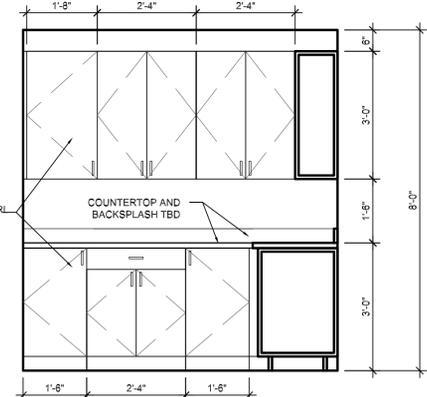
7 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



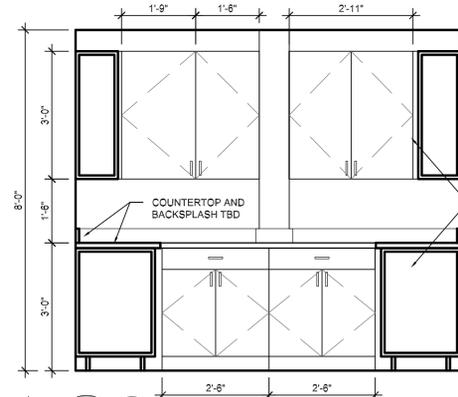
8 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



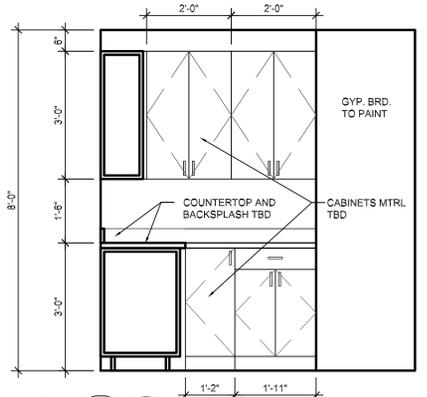
9 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



10 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



11 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



12 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"

US ARCHITECTS
 22082 LOPAN ROAD
 FAIRVIEW PARK, OHIO 44126
 PHONE 26-403-9854 FAX 440-76-8897



LEON S. SAMPAT
 LICENSE# 13053
 EXPIRATION DATE 12/31/2027

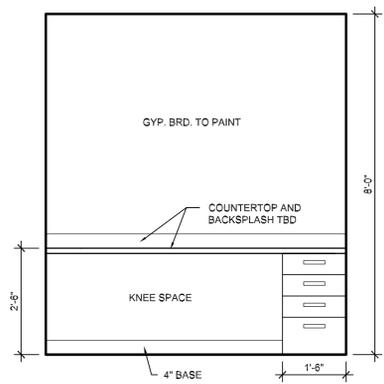
TENANT BUILD-OUT FOR:
DR. WHARTON
 1715 W. HIGH ST
 PIQUA, OHIO

JOB NO: 25-190
 DATE: 10.30.2025
 ISSUE: -
 SHEET:

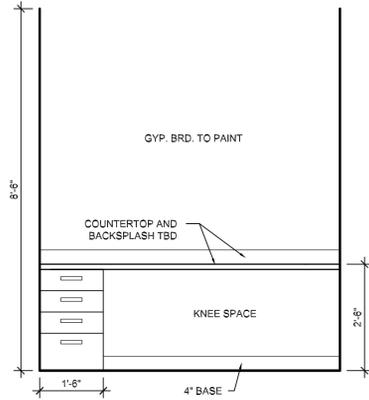
A3.1

1- GC TO VERIFY ALL FINISHES WITH INTERIOR DESIGNER/OWNER
 2- GC TO VERIFY ALL CABINERY WITH OWNER AND/OR DENTAL REP. PRIOR TO ORDER/FABRICATION

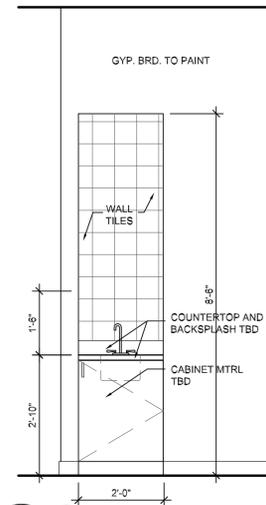
REV.	DATE
1	12.09.2025
2	01.06.2026
3	01.20.2026
4	01.29.2026



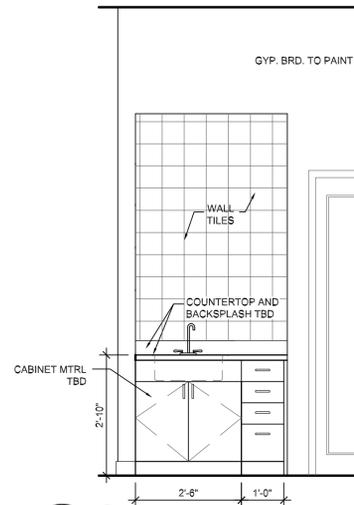
13 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



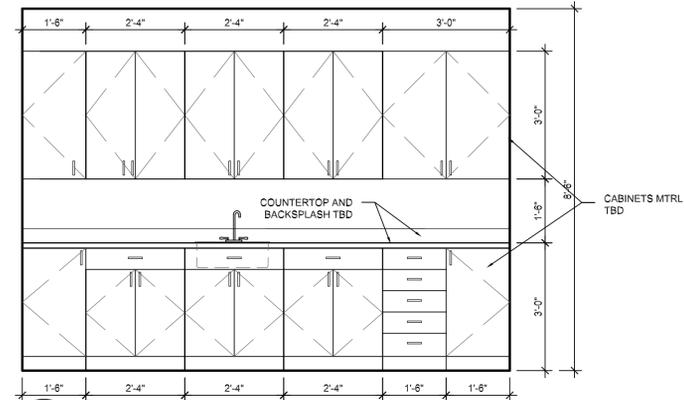
14 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



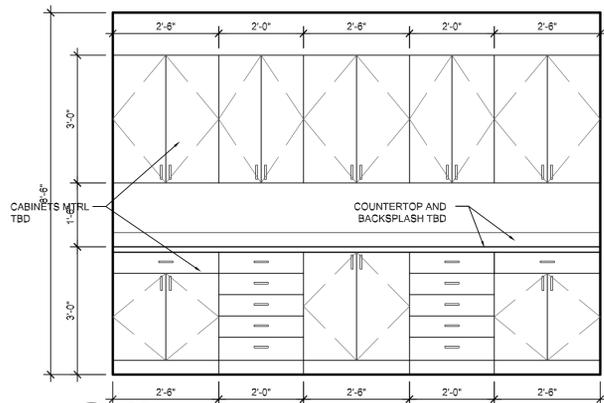
15 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



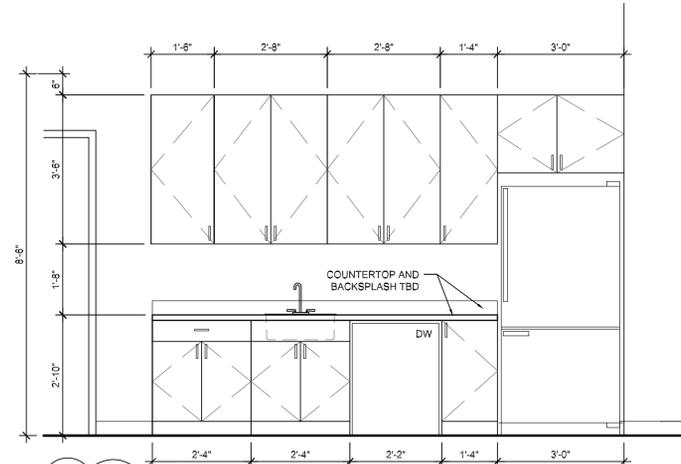
16 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



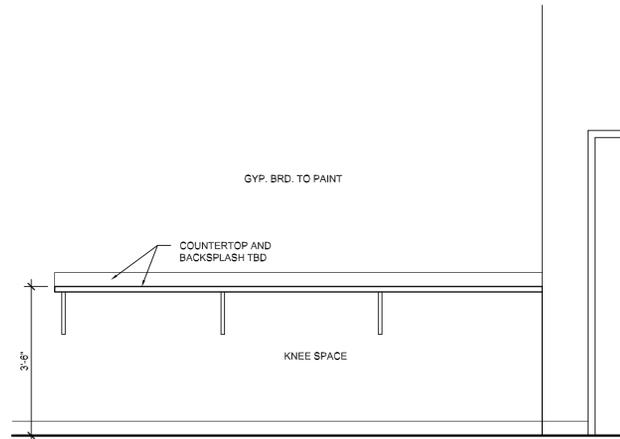
17 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



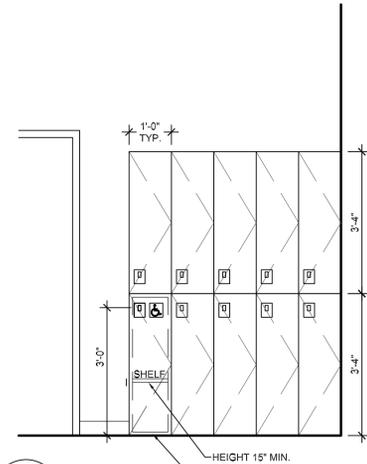
18 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



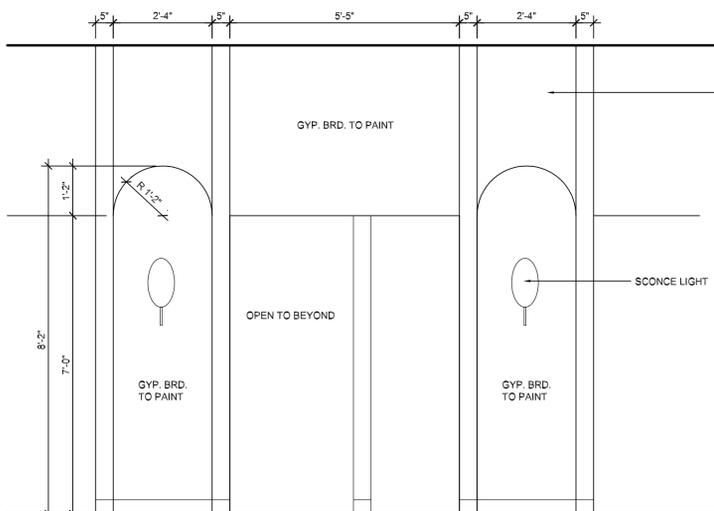
19 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



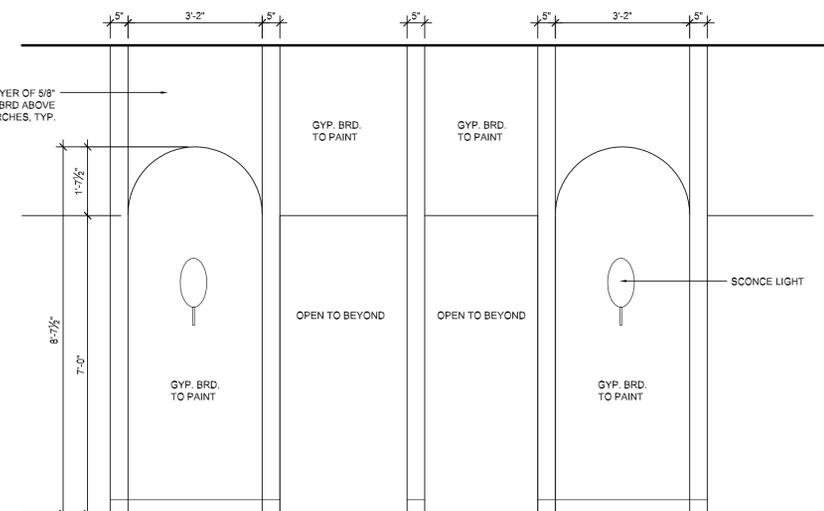
20 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



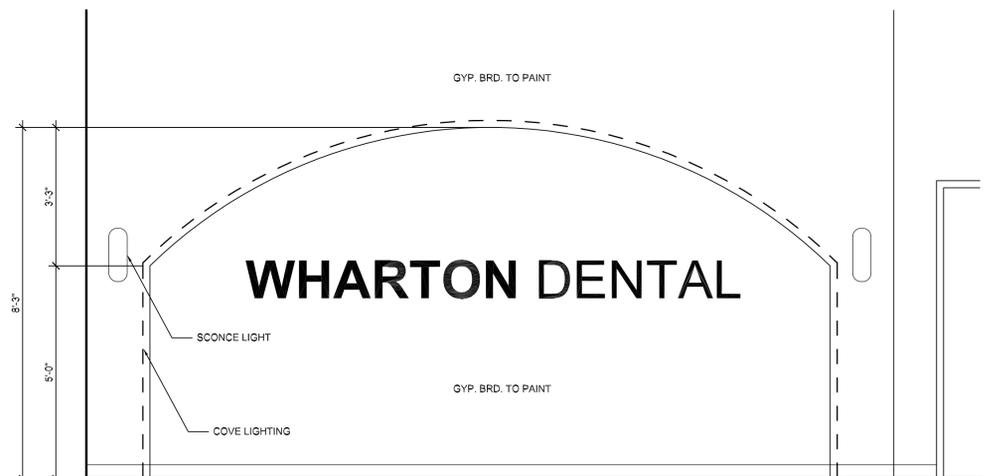
21 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



22 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



23 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"



24 INTERIOR ELEVATION
 SCALE: 1/2" = 1'-0"

US ARCHITECTS
 22082 LOPAN ROAD
 FAIRVIEW PARK, OHIO 44126
 PHONE 26-403-9854 FAX 440-76-8897



LEON S. SAMPAT
 LICENSE# 13053
 EXPIRATION DATE 12/31/2027

TENANT BUILD-OUT FOR:
DR. WHARTON
 1715 W. HIGH ST
 PIQUA, OHIO

JOB NO: 25-190
 DATE: 10.30.2025
 ISSUE: -
 SHEET:

A3.2

GENERAL NOTES:

1. PLUMBING CONTRACTOR TO FIELD VERIFY EXACT LOCATION & SIZE OF EXISTING UTILITIES INCLUDING SANITARY SEWER AND VENT PIPING. FOR SANITARY SEWER, P.C. SHALL FIELD VERIFY EXACT LOCATION, SIZE, INVERT ELEVATION & DIRECTION OF FLOW PRIOR TO MAKING ANY NEW CONNECTIONS. PRIOR TO CONSTRUCTION, ANY DEFICIENCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR ARCHITECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO OBTAIN THIS INFORMATION.
2. VENT THRU ROOF (VTR) SHALL BE MINIMUM 10'-0" AWAY FROM OUTSIDE AIR INTAKE OPENING. COORDINATE WITH MECHANICAL DRAWINGS.
3. PLUMBING CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ANY MECHANICAL EQUIPMENT LOCATED ON ROOF WITH MECHANICAL CONTRACTOR.

GENERAL NOTES:

1.  FOR SANITARY STACK DIAGRAM 'A' REFER TO DRAWING P3.1
2. FOR ADDITIONAL PLUMBING REQUIREMENTS REFER TO DENTAL EQUIPMENT REPRESENTATIVE & SPECIFICATION SHEETS.
3. ALL DENTAL EQUIPMENT FURNISHED BY OWNER. PLUMBING CONTRACTOR TO INSTALL & MAKE FINAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT.
4. P.C. SHALL ALSO REFER TO GENERAL PLUMBING DENTAL NOTES ON DRAWING P2.1
5. DENTAL USAGE TO FALL UNDER CLASS 3 CATEGORY. FOLLOW 2021 EDITION OF THE 99C CODES AND A.S.S.E 6000 FOR DENTAL FACILITY PIPING AND SAFETY.
6. USE K/L PRE-CLEANED COPPER TUBING TESTED WITH DRY NITROGEN FOR 24 HOURS AT 150 PSI.
7. P.C. SHALL COORDINATE FLOOR DRAIN LOCATIONS WITH ONSITE DENTAL SUPPLY & MECHANICAL CONTRACTOR.
8. VACUUM LINE SHALL BE RUN UNDERFLOOR.
9. FOR VACUUM PUMP PROVIDE WATTS SERIES 288A ANTI-SIPHON VACUUM BREAKER.
10. PROVIDE TRAP PRIMER SEAL FOR FLOOR DRAINS. REFER TO DETAIL ON DWG. P5.1
11. REFER TO FIRESTOP PIPING DETAILS ON DWG. P5.1 (ONLY USE WHERE APPLICABLE).

DENTAL CONSULTANT GENERAL NOTE:

P.C. SHALL COORDINATE ALL DEVICE LOCATIONS & EXACT PLUMBING REQUIREMENTS WITH TENANT'S DENTAL CONSULTANT & REFER TO DENTAL EQUIPMENT DRAWINGS AND SPECIFICATION SHEETS.
P.C. SHALL FURNISH & INSTALL ANY PLUMBING REQUIREMENTS.
NO COMPENSATION SHALL BE GIVEN FOR FAILURE TO OBTAIN ANY INFORMATION.

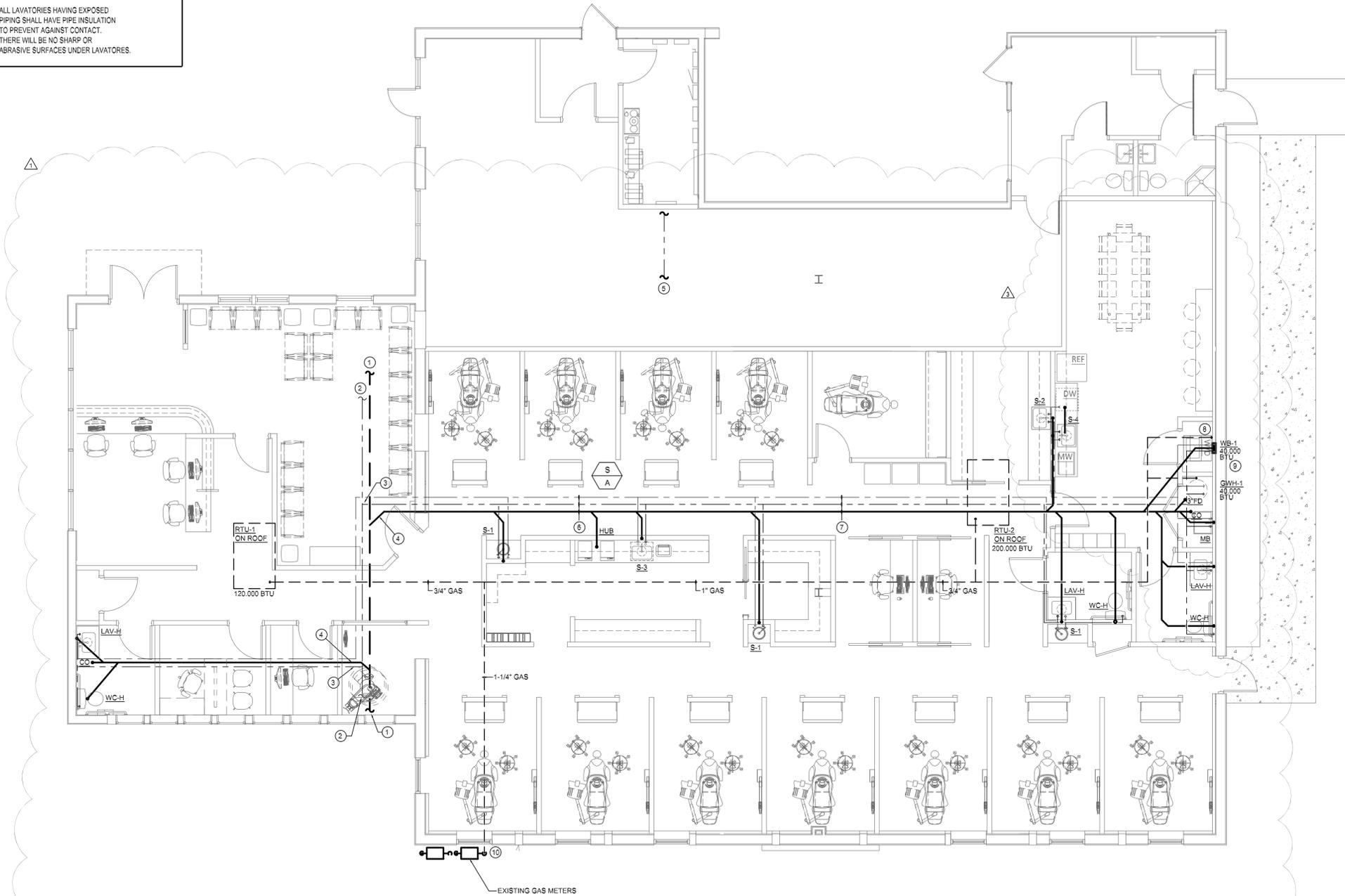
SLOPE PIPING PER PLUMBING CODE REQUIREMENTS:
2. 1/2" OR LESS 1/4"/FOOT
3" TO 6" 1/8"/FOOT
8" & UP 1/16"/FOOT

A.D.A. COMPLIANT LAVATORIES WILL BE MOUNTED AT A MAXIMUM OF 34" A.F.F.

ALL LAVATORIES HAVING EXPOSED PIPING SHALL HAVE PIPE INSULATION TO PREVENT AGAINST CONTACT. THERE WILL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

PLAN NOTES:

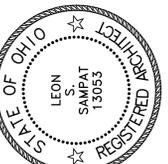
- 1 APPROXIMATE LOCATION OF EXISTING SAN. LINE, FIELD VERIFY EXACT LOCATION, SIZE AND DIRECTION
- 2 APPROXIMATE LOCATION OF EXISTING CW LINE, FIELD VERIFY EXACT LOCATION AND SIZE
- 3 CONNECT NEW 3/4" CW LINE TO EXISTING, FIELD VERIFY EXACT LOCATION AND SIZE
- 4 CONNECT NEW 3" SAN LINE TO EXISTING, FIELD VERIFY EXISTING SAN LINE EXACT LOCATION, SIZE AND DIRECTION.
- 5 RUN 3/4" DOMESTIC CW TO MASTER WATER SOLENOID VALVE WITH FILTER, VERIFY FILTER LOCATION IN FIELD, CONNECT TO EXISTING WATER LINE. ALSO REFER TO DENTAL CONSULTANT GENERAL NOTE ON THIS DWG.
- 6 NOT USED
- 7 3/4" CW, 3/4" HW, 3" SAN.
- 8 1/2" CW & 1/2" HW DOWN TO WASHER MACHINE. PROVIDE WATTS SERIES 7 DUAL CHECK VALVE FOR WATER SUPPLY AND TERMINATE WITH SHUT-OFF VALVE.
- 9 FURNISH AND INSTALL NEW 40 GAL GAS WATER HEATER GWH-1, REFER TO GWH-1 PIPING DIAGRAM ON SHEET P5.1
- 10 VERIFY EXISTING GAS LINE SIZE, CONNECT NEW 1-1/4" GAS LINE TO EXISTING GAS METER IF REQUIRED, RUN BELOW ROOF. P.C. SHALL VERIFY WITH LOCAL GAS COMPANY CAPACITY OF EXISTING GAS METER AND EXISTING GAS SERVICE LINE. REPLACE WITH NEW TENANT GAS METER AND GAS SERVICE LINE, IF REQUIRED BASED ON TOTAL CONNECTED GAS LOAD. NEW GAS LOAD FOR THIS TENANT SPACE = 450,000 BTU. P.C. SHALL FIELD VERIFY ALL EXISTING CONNECTED GAS LOADS PRIOR TO WORK.



PLUMBING PLAN
SCALE: 3/8" = 1'-0"

REV.	DATE
1	12.09.2025
2	01.06.2026
3	01.20.2026
4	01.29.2026

LS ARCHITECTS
22082 LORAIN ROAD
FAIRVIEW PARK, OHIO 44126
PHONE 26-403-9954 FAX 440-76-8897



LEON S. SAMPAT
LICENSE # 13053
EXPIRATION DATE 12/31/2027

TENANT BUILD-OUT FOR:
DR. WHARTON
1715 W. HIGH ST
PIQUA, OHIO

JOB NO: 25-190
DATE: 10.30.2025
ISSUE: -
SHEET:

P1.1

GENERAL NOTES:

1. PLUMBING CONTRACTOR TO FIELD VERIFY EXACT LOCATION & SIZE OF EXISTING UTILITIES INCLUDING SANITARY SEWER AND VENT PIPING. FOR SANITARY SEWER, P.C. SHALL FIELD VERIFY EXACT LOCATION, SIZE, INVERT ELEVATION & DIRECTION OF FLOW PRIOR TO MAKING ANY NEW CONNECTIONS. PRIOR TO CONSTRUCTION, ANY DEFICIENCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER OR ARCHITECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO OBTAIN THIS INFORMATION.
2. VENT THRU ROOF (VTR) SHALL BE MINIMUM 10'-0" AWAY FROM OUTSIDE AIR INTAKE OPENING. COORDINATE WITH MECHANICAL DRAWINGS.
3. PLUMBING CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ANY MECHANICAL EQUIPMENT LOCATED ON ROOF WITH MECHANICAL CONTRACTOR.

GENERAL NOTES:

1. FOR SANITARY STACK DIAGRAM 'A' REFER TO DRAWING P3.1
2. FOR ADDITIONAL PLUMBING REQUIREMENTS REFER TO DENTAL EQUIPMENT REPRESENTATIVE & SPECIFICATION SHEETS.
3. ALL DENTAL EQUIPMENT FURNISHED BY OWNER. PLUMBING CONTRACTOR TO INSTALL & MAKE FINAL CONNECTIONS TO OWNER FURNISHED EQUIPMENT.
4. P.C. SHALL ALSO REFER TO GENERAL PLUMBING DENTAL NOTES ON DRAWING P2.1
5. DENTAL USAGE TO FALL UNDER CLASS 3 CATEGORY. FOLLOW 2021 EDITION OF THE 99C CODES AND A.S.S.E 6000 FOR DENTAL FACILITY PIPING AND SAFETY.
6. USE KIL PRE-CLEANED COPPER TUBING TESTED WITH DRY NITROGEN FOR 24 HOURS AT 150 PSI.
7. P.C. SHALL COORDINATE FLOOR DRAIN LOCATIONS WITH ONSITE DENTAL SUPPLY & MECHANICAL CONTRACTOR.
8. VACUUM LINE SHALL BE RUN UNDERFLOOR.
9. FOR VACUUM PUMP PROVIDE WATTS SERIES 288A ANTI-SIPHON VACUUM BREAKER.
10. PROVIDE TRAP PRIMER SEAL FOR FLOOR DRAINS. REFER TO DETAIL ON DWG. P5.1
11. REFER TO FIRESTOP PIPING DETAILS ON DWG. P5.1 (ONLY USE WHERE APPLICABLE).
12. PCV PIPING TO BE IN COMPLIANCE WITH ASTM D1785 AND FITTINGS TO BE IN COMPLIANCE WITH ASTM 2468

MEDICAL GAS NOTE :

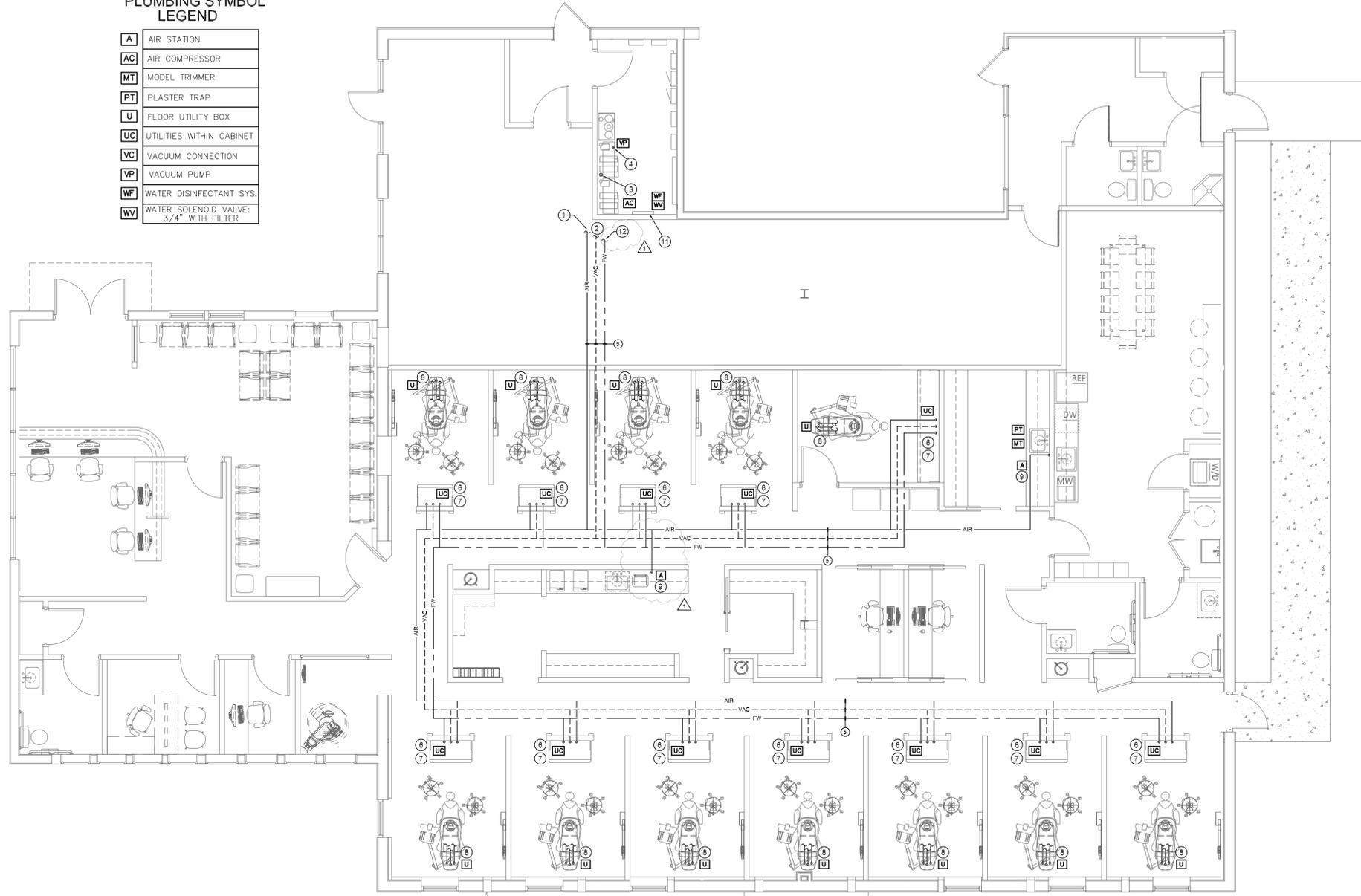
MEDICAL GAS PIPING: MEDICAL GAS PIPING INCLUDING COMPRESSED AIR AND VACUUM SYSTEM SHALL BE IN ACCORDANCE WITH THE 2021 EDITION OF N.F.P.A.-99C/ASSE SERIES 6000. COMPRESSED AIR PIPING SHALL BE SEAMLESS TYPE L AND K HARD COPPER TUBING TO BE SOLDERED WITH LEAD FREE SOLDER IN ACCORDANCE WITH 2021 N.F.P.A.-99. VACUUM PIPING SHALL BE SCHEDULED 40 PVC PIPE WITH SOLVENT WELDED JOINTS. PVC PIPING PER ASTM 2665 & FITTINGS PER ASTM #2466 OR 2467. PIPING TO BE CLEANED, TESTED AND INSTALLED PER 2021 N.F.P.A.-99. INSTALL SHALL BE ASSE 6010 CERTIFIED. ALL PIPING SHALL BE LEVEL 3 CLASSIFICATION.

PLAN NOTES:

1. 5/8" O.D. AIR FROM AIR COMPRESSOR. ALSO REFER TO DENTAL CONSULTANT GENERAL NOTE
2. 1-1/2" VACUUM CONNECTION FROM VACUUM PUMP EQUIPMENT TO INCREASE TO 2" PIPE SIZE UNDERFLOOR UNDERFLOOR FROM VACUUM PUMP SYSTEM. ALSO REFER TO DENTAL CONSULTANT GENERAL NOTE ON THIS SHEET.
3. RUN 2" (OR AS REQUIRED) FOR AIR INTAKE FOR AIR COMPRESSOR UP TO ABOVE CEILING. TERMINATE IN RETURN AIR PLENUM CEILING SPACE WITH ELBOW DOWN. P.C. SHALL FIELD VERIFY EXACT ROUTING OF PIPING PRIOR TO INSTALLATION. MODIFY ROUTING AS REQUIRED. ALSO REFER TO DENTAL CONSULTANT GENERAL NOTE ON THIS DWG. WORK TO BE COORDINATED WITH LANDLORD.
4. RUN 3" VENT (OR AS REQUIRED) FROM EACH AIR/WATER SEPARATOR FROM VACUUM PUMPS UP TO 3" VENT THRU ROOF. P.C. SHALL FIELD VERIFY EXACT ROUTING OF PIPING PRIOR TO INSTALLATION. MODIFY ROUTING AS REQUIRED. ALSO REFER TO DENTAL CONSULTANT GENERAL NOTE ON THIS DWG.
5. 3/4" FW, 2" VACUUM & 5/8" O.D. AIR LINES.
6. SPECIAL CARE SHALL BE TAKEN BY CONTRACTOR WHEN INSTALLING MEDICAL GAS/PLUMBING LINES TO INSURE ALL NECESSARY FLOWS & SERVICE AT EACH TREATMENT STATION. FOR ADDITIONAL PIPING P.C. SHALL REFER TO DENTAL REPRESENTATIVE DRAWINGS TO BE PROVIDED BY DENTAL REP. ALSO REFER TO DENTAL CONSULTANT GENERAL NOTE ON THIS DWG.
7. 1/2" FW, 5/8" O.D. AIR & 1" VACUUM PIPING DOWN TO DENTAL CONSOLE. ALSO REFER TO DENTAL CONSULTANT GENERAL NOTE ON THIS DWG.
8. 5/8" O.D. AIR, 1" VACUUM AND 1/2" FW THRU FLOOR SLAB & UP TO UTILITY CENTER. FURNISH & INSTALL SHUT-OFF VALVES. ALSO REFER TO DENTAL CONSULTANT GENERAL NOTE ON THIS DWG.
9. 5/8" O.D. AIR DOWN & TERMINATE WITH CHROME ANGLE STOP VALVE WITH COMPRESSION FITTING AND CHROME COVER. VERIFY FINAL LOCATION WITH DENTAL REP. ALSO REFER TO DENTAL CONSULTANT GENERAL NOTE ON THIS DWG. PROVIDE REQUIRED FITTINGS FOR DOT TABLE TOP FLUSH SYSTEM.
10. EC & PC TO COORDINATE WITH DENTAL REP FOR INSTALLATION OF MASTER SHUT OFF SWITCHING. SEE E1.1 FOR LOCATION
11. FILTERED WATER SYSTEM, US WATER SYSTEMS 200-SENTRY-IX
12. 3/4" DOMESTIC CW (FILTERED) FROM WATER SOLENOID WITH FILTER. ALSO REFER TO DENTAL CONSULTANT GENERAL NOTE ON THIS SHEET.

PLUMBING SYMBOL LEGEND

A	AIR STATION
AC	AIR COMPRESSOR
MT	MODEL TRIMMER
PT	PLASTER TRAP
U	FLOOR UTILITY BOX
UC	UTILITIES WITHIN CABINET
VC	VACUUM CONNECTION
VP	VACUUM PUMP
WF	WATER DISINFECTANT SYS.
WY	WATER SOLENOID VALVE: 3/4" WITH FILTER



LEGEND

WASTE (W) — SAFE WASTE - PER CODE (SEE DENTAL FULL SIZE TEMPLATES)

BCW — BUILDING COLD WATER — 3/4" COPPER MAIN LINE W/ 1/2" BRANCH LINES & 3/4" COPPER TO VAC PUMP

FCW — FILTERED COLD WATER — 3/4" COPPER MAIN LINE W/ 1/2" BRANCH LINES

HW — HOT WATER — 3/4" COPPER MAIN LINE W/ 1/2" BRANCH LINES

CA — AIR LINE — 5/8" O.D. COPPER MAIN LINE W/ 5/8" O.D. BRANCH LINES

VAC — VACUUM LINE — 2" PVC MAIN LINE AND 1 1/2" BRANCH LINES WITH 5/8" O.D. RISERS IN TR. RM. (DO NOT PIPE OVERHEAD)

5/8" O.D. VAC SCAVENGING.
USE KIL PRE-CLEANED COPPER TUBING
TESTED W/ DRY NITROGEN FOR 24 HRS @ 150 PSI.
DENTAL USAGE TO FALL UNDER CLASS 3 CATEGORY
FOLLOW 2021 EDITION OF THE 99C CODES AND
ASSE 6000 FOR DENTAL FACILITY PIPING AND SAFETY.

NOTES:

- 1) PLUMBER TO CONNECT AIR COMP., VACUUM PUMP, WATER SOLENOID VALVE, NITROUS OXIDE/OXYGEN/VACUUM OUTLET BOXES, NITROUS/OXYGEN MANFOLD, CONTROL PANEL, SINKS & FAUCETS AND ALL SHUT-OFF VALVES.
- 2) DENTAL REPRESENTATIVE WILL ASSIST IN LOCATING UTILITIES WHERE NECESSARY AND WILL CHECK JOB DURING CONSTRUCTION AND BEFORE DRYWALL IS INSTALLED.
- 3) PLUMBER TO BE ON JOB AT TIME OF INSTALLATION.

WHEN CHANGING DIRECTION USE GRADUAL BENDS W/45° WHERE EVER POSSIBLE.

VAC LINE

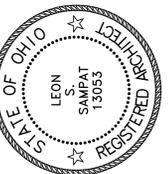
NOTE: DO NOT RUN OVERHEAD, RUN UNDER FLOOR.

VACUUM HORIZONTAL DIRECTIONAL CHANGE

PLUMBER: REVIEW W/ DENTAL REPRESENTATIVE EXACT ROUTE & FITTINGS TO BE USED.

REV.	DATE
1	12.09.2025
2	01.06.2026
3	01.20.2026
4	01.29.2026

US ARCHITECTS
 22082 LORAIN ROAD
 FAIRVIEW PARK, OHIO 44126
 PHONE 26-403-9954 FAX 440-76-8897



LEON S. SAMPAT
 LICENSE # 13053
 EXPIRATION DATE 12/31/2027

TENANT BUILD-OUT FOR:
DR. WHARTON
 1715 W. HIGH ST
 PIQUA, OHIO

JOB NO: 25-190
 DATE: 10.30.2025
 ISSUE: -
 SHEET:

PLUMBING LEGEND

	SAN	SANITARY - ABOVE GROUND
	SAN	SANITARY - UNDERFLOOR
	V	VENT LINE
	CW	DOMESTIC COLD WATER
	FW	DOMESTIC FILTERED COLD WATER
	HW	DOMESTIC HOT WATER
	HWR	DOMESTIC HOT WATER RETURN
		GATE VALVE
	A	COMPRESSED AIR
	VAC	VACUUM LINE BELOW FLOOR
	G	GAS LINE
	ST	STORM - ABOVE GROUND
	ST	STORM - UNDERGROUND
		BALANCE VALVE
		GATE VALVE
		GLOBE VALVE
		CHECK VALVE
		GAS COCK
		UNION
		SANITARY STACK DESIGNATION
	DP, DN	TEE LOCKING DOWN
	UP	TEE LOCKING UP
	DP, DN	ELBOW DOWN OR DROP
	UP	ELBOW UP OR RISE
		SHUT-OFF VALVE IN RISER
		NEW POINT OF CONNECTION
ARCH.		ARCHITECT
CFH		CUBIC FEET PER HOUR
CONT.		CONTINUATION
CO		CLEANOUT
DWG		DRAWING
EC		ELECTRICAL CONTRACTOR
LAV		FIXTURE IDENTIFICATION
FD		FLOOR DRAIN
GC		GENERAL CONTRACTOR
GW		GAS WATER HEATER
KS		KITCHEN SINK
LAV		WALL HUNG LAVATORY
LAV-H		WALL HUNG LAVATORY HANDICAPPED
MBH		THOUSAND BTU PER HOUR
MV		MIXING VALVE
NFWH		NON FREEZE WALL HYDRANT
PC		PLUMBING CONTRACTOR
PT		PLASTER TRAP
S-X		SINK
TP		TRAP PRIMER
TYP.		TYPICAL
UF/UNDFLR		UNDERFLOOR
WC		WATER CLOSET
WC-H		WATER CLOSET HANDICAPPED
VTR		VENT THRU ROOF

GENERAL PLUMBING NOTES:

- GENERAL NOTES, SYMBOLS LIST AND DETAILS ARE APPLICABLE TO ALL SHEETS MARKED P.
- SHEETS ARE DIAGRAMMATIC. DETERMINE LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD.
- DIMENSIONS SHOWN ON PLAN ARE HORIZONTAL. DIMENSIONS SHOWN IN ELEVATION ARE VERTICAL EXCEPT THAT, IN WAY OF STRUCTURAL DIMENSIONS ARE MEASURED PERPENDICULAR TO FLANGE.
- NEITHER ACCURACY NOR COMPLETION OF UTILITY LOCATIONS SHOWN ON SHEETS ARE GUARANTEED. DETERMINE EXACT LOCATIONS OF EXISTING UTILITIES IN FIELD, WHETHER OR NOT SHOWN ON DRAWINGS. EXERCISE CAUTION AND IDENTIFY LOCATIONS OF UNMARKED UTILITY LINES AS NECESSARY TO PERFORM WORK OF THIS SECTION.
- ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH THE OHIO PLUMBING CODE & ALL APPLICABLE LOCAL CODES.
- IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES, INCLUDING (BUT NOT LIMITED TO), ELECTRICAL, HVAC, PROCESS PIPING, STRUCTURAL AND GENERAL TRADES.
- ANY INTERFERENCE SHALL BE BROUGHT TO THE ATTENTION OF THE G.C., ARCHITECT AND THE OWNER'S REPRESENTATIVE, AND SHALL BE RESOLVED PRIOR TO THE INSTALLATION OF THE WORK INVOLVED.
- NO WORK SHALL BE INSTALLED IN VIOLATION OF ANY GOVERNING CODES. ANY WORK SHOWN ON THE DRAWINGS WHICH IS IN VIOLATION OF SUCH CODES SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND THE OWNER'S REPRESENTATIVE AND SHALL BE RESOLVED PRIOR TO THE INSTALLATION OF THE WORK INVOLVED.
- ALL PIPING PENETRATING CEILINGS AND WALLS SHALL BE INSTALLED WITH CHROME PLATED ESCUTCHEONS AT THE PENETRATION. ALL PIPING PENETRATING EXTERIOR WALLS AND ROOFS SHALL BE FLASHED IN AN APPROVED MANNER AND SHALL BE SEALED WEATHERTIGHT. PIPING PENETRATING RATED PARTITIONS SHALL BE PROTECTED AS REQUIRED BY LOCAL CODE AUTHORITY.
- MANUFACTURERS' MODEL NUMBERS ARE SPECIFIED SOLELY TO ESTABLISH STANDARDS OF QUALITY FOR PERFORMANCE AND MATERIALS.
- PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURERS' RECOMMENDATIONS.
- PROVIDE ACCESS PANELS FOR EQUIPMENT THAT REQUIRES PERIODIC SERVICE.
- ALL PIPING ABOVE GRADE SHALL BE PROPERLY SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE.
- CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH THE ELECTRICAL DRAWINGS AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN HEREIN.
- ALL PLUMBING EQUIPMENT, PIPING, INSULATION, ETC., INSTALLED IN HVAC PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
- PROVIDE SHUT OFF VALVES ON ALL BRANCH PIPING AND ON ALL SUPPLIES TO INDIVIDUAL FIXTURES AND EQUIPMENT. PROVIDE BALL VALVES ON ALL WATER MAIN BRANCHES IN CORRIDORS AND WHERE INDICATED ON DRAWINGS. (NBCC S-595-Y)
- ALL SLEEVES THROUGH CONCRETE FLOORS AND ALL CORE DRILLING OF CONCRETE FLOORS AND WALLS SHALL BE BY THIS CONTRACTOR.
- CONCRETE PADS AND PLATFORMS FOR WORK OF THIS SECTION WILL BE PROVIDED BY GENERAL CONTRACTOR. PROVIDE INFORMATION AND HARDWARE AS NECESSARY TO COORDINATE WORK.
- SCHEDULE WORK OF THIS SECTION TO AVOID INTERFERING WITH FIREPROOFING WORK.
- RUN PIPING CONCEALED, UNLESS SPECIFIED OTHERWISE, AND CLEAR OF CEILING INSERTS.
- STRUCTURAL WELDING SHALL BE 1/4-INCH FILLET UNLESS REQUIRED OTHERWISE.
- PROVIDE CLAMPS, OFFSETS, EXPANSION JOINTS, ANCHORS AND GUIDES AS NECESSARY TO PREVENT STRESS ON PIPING.
- PROVIDE MANUAL AIR VENTS AT HIGH POINTS IN PIPING SYSTEMS AND DRAIN VALVES AT LOW POINTS.
- PITCH PRESSURE PIPING IN DIRECTION OF FLOW.
- WATER HAMMER PROTECTION SHALL BE PROVIDED WHERE REQUIRED PER OHIO PLUMBING CODE 604.9
- NOT USED
- PLUMBING SYSTEM PIPING SHALL BE TESTED AND INSPECTED PER OPC SECTION 312.
- ALL PLUMBING PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH OHIO PLUMBING CODE SECTION 308.
- SUBSOIL DRAIN PIPE MATERIAL AND INSTALLATION SHALL BE IN COMPLIANCE WITH OHIO PLUMBING CODE SECTION 1111.
- WATER PIPING JOINTS BETWEEN DIFFERENT MATERIALS SHALL BE PER OHIO PLUMBING CODE SECTION 605.22.
- IN THE INSTALLATION OR REMOVAL OF ANY PART OF A DRAINAGE SYSTEM, DEAD ENDS SHALL BE PROHIBITED. CLEANOUT EXTENSIONS AND APPROVED FUTURE FIXTURE DRAINAGE PIPING SHALL NOT BE CONSIDERED AS DEAD ENDS PER OHIO PLUMBING CODE SECTION 704.5.
- HANDICAPPED TOILET FIXTURES AND INSTALLATION SHALL CONFORM TO THE OHIO PLUMBING CODE SECTIONS 404 AND 405, OHIO BUILDING CODE CHAPTER 11 AND THE OHIO ACCESSIBILITY GUIDELINES (A.D.A.F.).
- FIELD VERIFY EXACT LOCATION OF ALL FIXTURES, EQUIPMENT AND DRAINS WITH ARCHITECT AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
- MAXIMUM FLOW RATES FOR PUBLIC LAVATORY FAUCETS SHALL BE 0.5 GPM PER OHIO PLUMBING CODE 604.4
- FLOOR DRAINS SHALL HAVE TRAP PRIMERS TO COMPLY WITH OHIO PLUMBING CODE SECTION 1002.4
- BACKFLOW PREVENTION DEVICES SHALL BE PROVIDED ON THE POTABLE WATER SUPPLY SYSTEM TO PREVENT CONTAMINATION FROM NON-POTABLE LIQUIDS, SOLIDS, OR GASES PER OHIO PLUMBING CODE SECTION 608.
- INSTALLATION OF BACKFLOW PREVENTER SHALL BE IN ACCORDANCE PER WATER DEPARTMENT STANDARDS.
- CLEANOUTS SHALL BE NOT MORE THAN 100 FEET APART IN HORIZONTAL DRAINAGE LINES PER OHIO PLUMBING CODE SECTIONS 708.3.1 THRU 708.5. ALL CLEANOUTS SHALL BE ACCESSIBLE. INSTALL AT DRAIN DIRECTION CHANGES OF OVER 45 DEGREES. INSTALL CLEANOUTS AT OR NEAR THE FOOT OF EACH VERTICAL WASTE OR SOIL STACK.
- WATER HEATERS SHALL COMPLY WITH THE MATERIALS, DESIGN AND INSTALLATION REQUIREMENTS AS REFERENCED IN THE OHIO PLUMBING CODE CHAPTER 5 AND OHIO MECHANICAL CODE SECTION 1002.
- WATER CONNECTIONS TO EMERGENCY EYEWASH STATIONS SHALL BE PER OHIO PLUMBING CODE SECTION 411.1
- ALL FLOOR DRAINS SHALL BE INSTALLED IN LOW POINTS OF FLOORS TO INSURE PROPER DRAINAGE.
- DENTAL USAGE TO FALL UNDER CLASS 3 CATEGORY. FOLLOW 2021 EDITION OF THE 99C CODES AND A.S.S.E. 6000 FOR DENTAL FACILITY PIPING AND SAFETY.

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	SAN.	VENT	H.W.	C.W.	MANUFACTURER & MODEL NUMBER
WC-H	FLOOR MOUNTED WATER CLOSET TANK TYPE ADA COMP.	3"	2"	-	1/2"	AMERICAN STANDARD "CADET" #2998.012, VITREOUS CHINA, FLOOR MOUNTED WC/LOSE COUPLED TANK AND ELONGATED BOWL WITH OPEN FRONT SEAT COVER, 17" HIGH BOWL AND BOLT CAPS.
LAV-H	UNDERMOUNT LAVATORY ADA COMP.	1-1/2"	1-1/2"	1/2"	1/2"	AMERICAN STANDARD UNDERMOUNT "STUDIO" #0814.000 COMPLETE WITH DELTA NICOLI 1.2 GPM WIDE SPREAD FAUCET #35749L-CZ & GRID STRAINER, GLACIER ICE CORIAN VANITY BOX W/ SS BACKSPLASH
S-1	COUNTERTOP BRUSHING STATION SINK	1-1/2"	1-1/2"	1/2"	1/2"	KOHLER 16-1/8" ROUND UNDERMOUNT SINK "CAXTON" #K-29000 COMPLETE WITH DELTA NICOLI 1.2 GPM WIDE SPREAD FAUCET #35749L-BL & GRID STRAINER, GLACIER ICE CORIAN VANITY BOX W/ SS BACKSPLASH
S-2	COUNTERTOP LAB SINK	1-1/2"	1-1/2"	1/2"	1/2"	ELKAY 18 GAUGE STAINLESS STEEL SINGLE BOWL #DLR221910PD, 22"x19-1/2" OVERALL, 12"x12"x18" COMPARTMENT WITH MOEN #8938 WRIST BLADE FAUCET WITH GOOSENECK AND GRID STRAINER, WITH TAPMASTER FAUCET CONTROL, KICK PLATE ACTIVATED DCI 1555, PROVIDE PLASTER TRAP
S-3	COUNTERTOP SINK STERILIZATION ROOM	1-1/2"	1-1/2"	1/2"	1/2"	ELKAY 20 GAUGE STAINLESS STEEL SINGLE BOWL #DLR191910PD, 18"x14"x10" OVERALL, 22"x19-1/2"x11-5/8" COMPARTMENT WITH MOEN #8938 WRIST BLADE FAUCET WITH GOOSENECK AND GRID STRAINER, WITH TAPMASTER FAUCET CONTROL, KICK PLATE ACTIVATED DCI 1555
S-4	COUNTERTOP SINK BREAKROOM ROOM	1-1/2"	1-1/2"	1/2"	1/2"	"ELKAY" 20 GAUGE STAINLESS STEEL DOUBLE BOWL #PSR-3319, 33"x19-1/2" OVERALL, 14"x14"x7-1/4" EACH COMPARTMENT WITH MOEN #8710 SINGLE LEVER FAUCET WITH GOOSENECK AND GRID STRAINER, FURNISH & INSTALL FOOD DISPOSAL & DISHWASHER CONNECTIONS.
WB-1	WASHER BOX	3"	1-1/2"	1/2"	1/2"	SYMMONS LAUNDRY-MATE W-602
MB	MOP BASIN	3"	1-1/2"	1/2"	1/2"	FLOOR MOUNTED CORNER SINK, ADVANCED TABCO 9-OP-24FM-FQRL, #830AA FAUCET, HOSE AND HOSE BRACKET, VACUUM BREAKER, #889-CC MOP HANGER, STANDARD DRAIN BODY AND RIGID BUMPER GUARD.

- * GC/PC VERIFY SINK & FAUCET WITH DENTAL REP
- * INSULATE EXPOSED PIPING @ HANDICAPPED LAVATORY WITH MOLDED INSULATION KITS, AS MANUFACTURED BY TRUEBRO MODEL LAV GUARD OR MCGUIRE MODEL PROWRAP.
- * GC/PC VERIFY ALL MODEL NUMBERS TO BE CURRENT AND COORDINATE BETWEEN SINK/FAUCETS

PLUMBING FIXTURE SCHEDULE NOTES:

- ALL FIXTURES AS NOTED TO MEET ALL RECD. ADA/CODE COMPLIANCE STANDARDS IN ACCESSIBLE STALLS.
- FOR EXACT LOCATIONS OF PLUMBING FIXTURES ALSO REFER TO ARCHITECTURAL DRAWING.
- MAXIMUM FLOW RATES FOR PUBLIC LAVATORY FAUCETS SHALL BE 0.5 GPM PER OHIO PLUMBING CODE 604.4
- PLUMBING FIXTURES SHALL ALSO BE CONTINGENT UPON OWNER APPROVAL.
- GC/PC TO VERIFY ALL SINK SIZES, MAKE/MANUF. WITH CABINETS ELEVATIONS & OWNER
- GC/PC VERIFY ALL MODEL NUMBERS TO BE CURRENT AND COORDINATE BETWEEN SINK/FAUCETS
- TEMPERED WATER (85°F-110°F) SHALL BE PROVIDED TO FIXTURES LAV-H, CTL, CTL-H, AND S1 VIA MIXING VALVES MV-1 OR MV-2. REFER TO PLUMBING FLOOR PLAN ON DRAWING P-1 FOR MIXING VALVE LOCATIONS AND EXACT DESIGNATIONS.

GENERAL PLUMBING DENTAL NOTES

- PLUMBER TO SUPPLY AND INSTALL A WATER PRESSURE REGULATOR ON INCOMING WATER SUPPLY. PLUMBER TO SET REGULATOR NOT TO EXCEED 65 PSI.
- PLUMBER SHALL SUPPLY AND INSTALL WATER FILTER (AND WATER SOFTENER WHERE NEEDED) ON THE COLD WATER MAIN ENTERING THE DENTAL SUITE.
- PLUMBER SHALL SUPPLY AND INSTALL SEPARATE MANUAL SHUT-OFF VALVES ON ALL SINKS, DENTAL UNITS AND OUTLETS REQUIRING WATER AND/OR AIR.
- PLUMBER TO SUPPLY AND INSTALL ANY AND OR ALL PIPE THREAD ADAPTERS AS SPECIFIED IN SPECIFICATIONS OR TEMPLATES.
- DRAINS FOR DENTAL EQUIPMENT SHALL BE INSTALLED AS PER LOCAL CODES AND REDUCED TO OUTLET SIZE AS SPECIFIED IN SPECIFICATIONS AND TEMPLATES.
- ALL SINKS AND FAUCETS TO BE CONNECTED BY PLUMBER.
- ALL PIPES TO BE CONCEALED WITHIN WALLS AND/OR FLOOR UNLESS OTHERWISE NOTED ON DRAWINGS.
- PLUMBER TO SEAL ALL PENETRATIONS THROUGH FLOOR WITH FIRE STOP OR EQUIVALENT WATERPROOFING TO PREVENT UNDEE DAMAGE TO AREAS BELOW.
- ALL PIPES TO BE FLUSHED CLEAR OF ALL DEBRIS BY PLUMBER.
- PLUMBER TO BE ON JOB SITE ON THE DAY(S) OF INSTALLATION TO WORK WITH THE DENTAL EQUIPT REPRESENTATIVE ON FINAL HOOK-UP. PLUMBER TO SUPPLY AND INSTALL ANY AND ALL MATERIALS NECESSARY TO COMPLETE DENTAL EQUIPMENT INSTALLATION.
- PLUMBER TO PROVIDE AND INSTALL ALL WATER SAFETY DEVICES EX: CHECK VALVES, BACK FLOW PREVENTERS ETC. AS REQUIRED BY LOCAL CODE.
- AN ELECTRIC MASTER WATER CONTROL VALVE IS REQUIRED FOR ANY/ALL COLD WATER LINES FEEDING ALL DENTAL EQUIPMENT. THIS WATER SHUT-OFF VALVE IS REQUIRED WHETHER SUPPLIED BY DENTAL EQUIPT REP, DOCTOR, OR PLUMBER.
- PLUMBER TO INSTALL COMPLETE AND MAKE FINAL HOOK UP TO THE FOLLOWING DENTAL EQUIPMENT NOTED, SUPPLIED BY THE DOCTOR AND OR DENTAL EQUIPMENT REPRESENTATIVE.
 - AIR COMPRESSOR(S)
 - CENTRAL SUCTION PUMP(S)
 - AIR/ WATER SEPARATORS
 - ELECTRIC WATER CONTROL VALVE
- PLUMBER TO COMPLY WITH ALL DENTAL EQUIPMENT REP INSPECTIONS NOTED ON THE FIRST PAGE OF THESE DOCUMENTS, GENERAL CONDITIONS.
- PLUMBER TO CONNECT AIR COMP., VACUUM PUMP, WATER SOLENOID VALVE, NITROUS OXIDE/OXYGEN/VACUUM OUTLET BOXES, NITROUS/OXYGEN MANIFOLD, CONTROL PANEL, SINKS & FAUCETS AND ALL SHUT-OFF VALVES.
- DENTAL REPRESENTATIVE WILL ASSIST IN LOCATING UTILITIES WHERE NECESSARY AND WILL CHECK JOB DURING CONSTRUCTION AND BEFORE DRYWALL IS INSTALLED.
- PLUMBER TO BE ON JOB AT TIME OF INSTALLATION.

A.D.A. COMPLIANT LAVATORIES WILL BE MOUNTED AT A MAXIMUM OF 34" A.F.F.

ALL LAVATORIES HAVING EXPOSED PIPING SHALL HAVE PIPE INSULATION TO PREVENT AGAINST CONTACT. THERE WILL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.

DENTAL CONSULTANT GENERAL NOTE:

P.C. SHALL COORDINATE ALL DEVICE LOCATIONS & EXACT PLUMBING REQUIREMENTS WITH TENANT'S DENTAL CONSULTANT & REFER TO DENTAL EQUIPMENT DRAWINGS AND SPECIFICATION SHEETS. P.C. SHALL FURNISH & INSTALL ANY PLUMBING REQUIREMENTS. NO COMPENSATION SHALL BE GIVEN FOR FAILURE TO OBTAIN ANY INFORMATION.

SLOPE PIPING PER PLUMBING CODE REQUIREMENTS.
 2" 1/2" OR LESS 1/4"/FOOT
 3" TO 6" 1/8"/FOOT
 8" & UP 1/16"/FOOT

REV.	DATE
1	12.09.2025
2	01.08.2026
3	01.20.2026
4	01.29.2026

US ARCHITECTS
 22082 LORAIN ROAD
 FAIRVIEW PARK, OHIO 44126
 PHONE 216-403-9854 FAX 440-76-8887



LEON S. SAMPAT
 LICENSE # 13053
 EXPIRATION DATE 12/31/2027

TENANT BUILD-OUT FOR:
DR. WHARTON
 1715 W. HIGH ST
 PIQUA, OHIO

JOB NO: 25-190

DATE: 10.30.2025

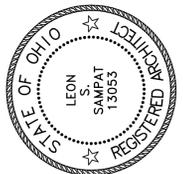
ISSUE: -

SHEET:

P2.1

REV.	DATE
1	12.09.2025
2	01.06.2026
3	01.20.2026

US ARCHITECTS
 22082 LORAIN ROAD
 FAIRVIEW PARK, OHIO 44126
 PHONE 26-403-9854 FAX 440-76-8897

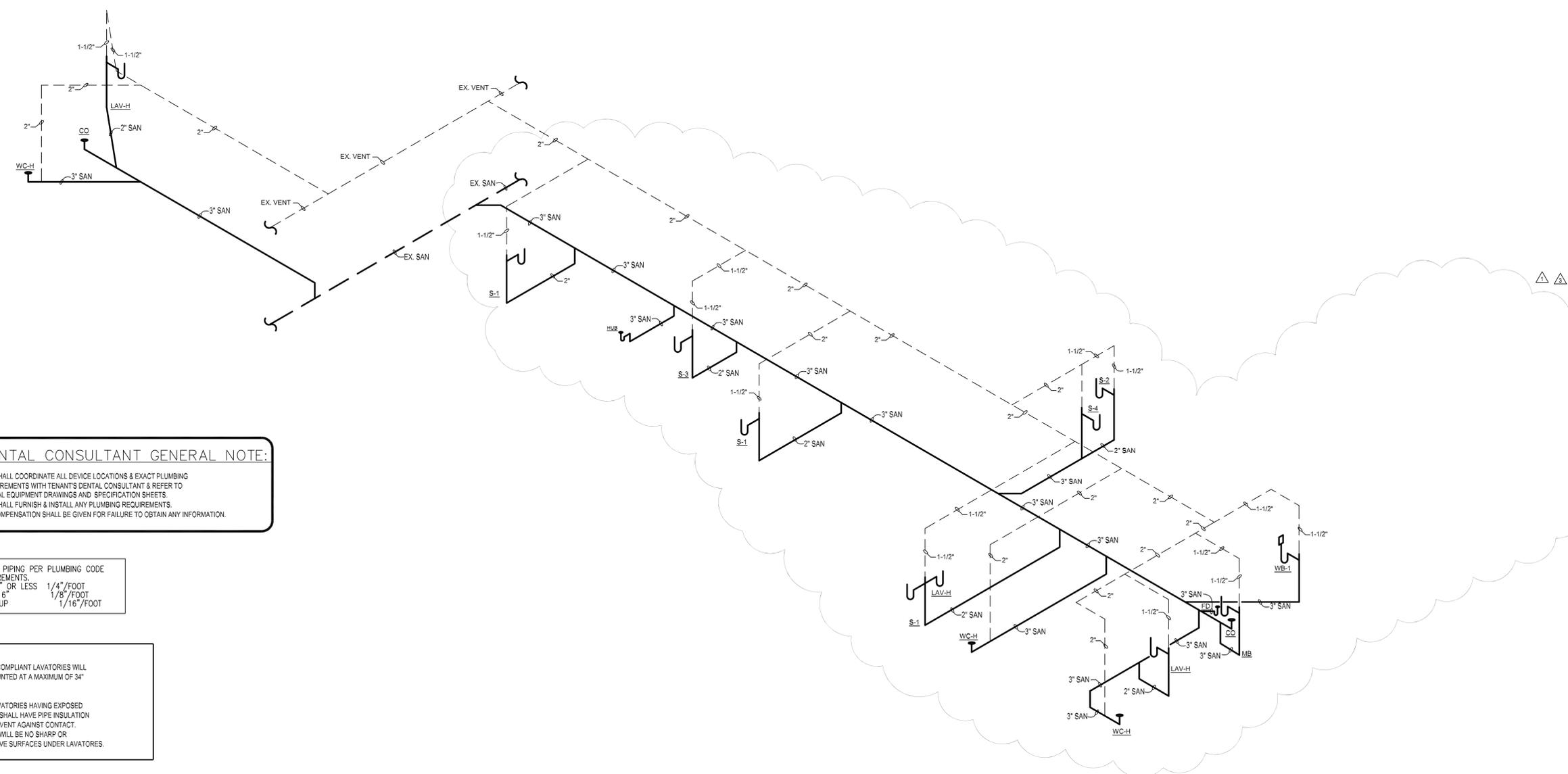


LEON S. SAMPAT
 LICENSE# 13053
 EXPIRATION DATE 12/31/2027

TENANT BUILD-OUT FOR:
DR. WHARTON
 1715 W. HIGH ST
 PIQUA, OHIO

JOB NO: 25-190
 DATE: 10.30.2025
 ISSUE: -
 SHEET:

P3.1



DENTAL CONSULTANT GENERAL NOTE:
 P.C. SHALL COORDINATE ALL DEVICE LOCATIONS & EXACT PLUMBING REQUIREMENTS WITH TENANT'S DENTAL CONSULTANT & REFER TO DENTAL EQUIPMENT DRAWINGS AND SPECIFICATION SHEETS.
 P.C. SHALL FURNISH & INSTALL ANY PLUMBING REQUIREMENTS.
 NO COMPENSATION SHALL BE GIVEN FOR FAILURE TO OBTAIN ANY INFORMATION.

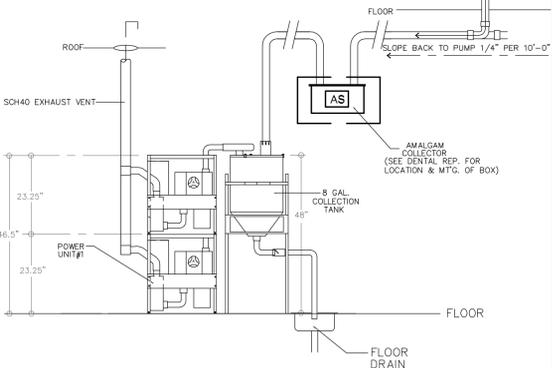
SLOPE PIPING PER PLUMBING CODE REQUIREMENTS.
 2 1/2" OR LESS 1/4"/FOOT
 3" TO 6" 1/8"/FOOT
 8" & UP 1/16"/FOOT

A.D.A. COMPLIANT LAVATORIES WILL BE MOUNTED AT A MAXIMUM OF 34" A.F.F.
 ALL LAVATORIES HAVING EXPOSED PIPING SHALL HAVE PIPE INSULATION TO PREVENT AGAINST CONTACT.
 THERE WILL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATOIRES.

S SANITARY ISOMETRIC
 A NTS

AC AIR COMPRESSOR, DEAN DENTAL SYSTEMS S21:
 SUPPLY AND INSTALL 5/8" P/D, COPPER MAIN & 5/8" O.D. BRANCH LINES TO ALL LOCATIONS REQUIRING AIR. CONNECT AIR LINE TO COMPRESSOR WITH A THREADED NIPPLE AND UNION. SUPPLY AND INSTALL A 2" PVC PIPE FROM AIR INTAKE MANIFOLD AT COMPRESSOR TO A CLEAN AIR SOURCE OTHER THAN MECHANICAL ROOM. SUPPLY AND INSTALL ANY AND ALL PARTS NEEDED TO COMPLETE INSTALLATION OF COMPRESSOR. **VERIFY WITH EXACT MODEL SELECTED. TO BE INSTALLED BY PLUMBER**

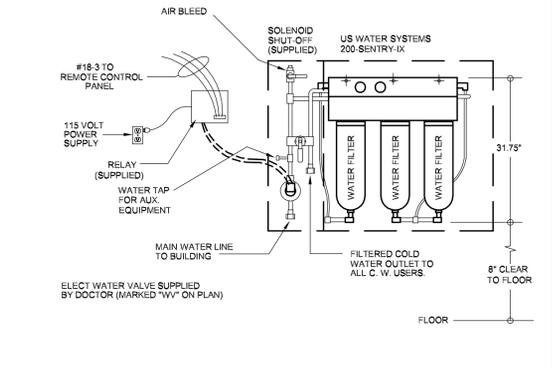
VP VACUUM PUMP, DEAN DRY VACUUM SYSTEM DV 7
 SUPPLY AND INSTALL A 2" SCH 40 PVC TRUNK LINE AND BRANCH OFF WITH 1-1/2" PVC TO ALL POINTS REQUIRING VACUUM, TERMINATING TO OUTLET SIZE SPECIFIED. SLOPE VACUUM LINES 1/4" PER 10 FT. TOWARDS VACUUM PUMP. ALL FITTINGS TO BE DWV IF AVAILABLE. IF DWV FITTINGS ARE NOT AVAILABLE, MULTIPLE 45S MUST BE USED. SUPPLY AND INSTALL 2" PVC DROP FROM MAIN TRUNK TO COLLECTION TANK AND MAKE CONNECTION. SUPPLY AND INSTALL 1-1/2" WASTE WITH TRAP AND VENT AS PER LOCAL CODES. SUPPLY AND INSTALL ONE 3" PVC SCH 40 EXHAUST AS REQUIRED FROM PUMP MANIFOLD TO EXTERIOR 27" EXHAUST SYSTEM REQUIRES PVC, AND CONTINUE WITH PVC OR CAST IRON PIPE, DIRECTLY TO FROM PUMP MANIFOLD, AND CONTINUE WITH PVC OR CAST IRON PIPE, DIRECTLY TO OUTSIDE ATMOSPHERE. WASTE VENT STACK CAN NOT BE USED. VERIFY SITE CONDITIONS AND LOCATION POSITION WITH DENTAL REP. SEE MFG. TEMPLATE INFORMATION. SUPPLY AND INSTALL ANY AND ALL MATERIALS NEEDED TO COMPLETE INSTALLATION. **VERIFY WITH EXACT MODEL SELECTED. INSTALLED BY PLUMBER**



VP VACUUM PUMP UNIVERSAL
 (NOT TO SCALE)

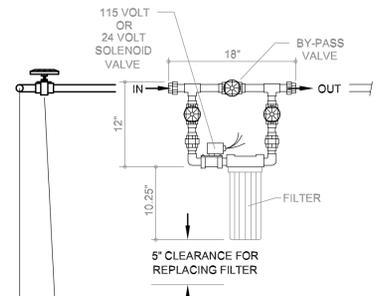
AS AMALGAM COLLECTOR, SOLMETEX NTX Hg5
 SUPPLY AND INSTALL SOLMETEX AMALGAM FILTER IN LINE WITH VAC LINE FROM TREATMENT ROOMS. FILTER SUPPLIED BY DOCTOR AND INSTALLED BY PLUMBER.
 NOTE: SEE ABOVE ELEVATION VIEW. CO-ORDINATE WITH DENTAL REP.

WF WATER SOLENOID SHUT-OFF/WATER DISINFECTANT SYS.
 INSTALL DISINFECTANT SYS. AND BY-PASS ASSEMBLY TO MAIN INCOMING WATER LINE DOWNSTREAM OF MAIN COLD WATER SUPPLY TO BUILDING AFTER SHUT-OFF VALVE. THIS UNIT IS FOR THE PURPOSE OF SUPPLYING ALL COLD WATER TO BOTH DENTAL FIXTURES AND BREAKROOM SINK. THE EXACT LOCATION TO BE DETERMINED ON JOB SITE. VERIFY VALVE ASSEMBLY WITH DOCTOR. INSTALLED BY PLUMBER.



WF ELECTRIC WATER SOLENOID VALVE & FILTER DIAGRAM
 (NOT TO SCALE)

WV WATER VALVE SOLENOID:
 INSTALL SOLENOID VALVE AND BY-PASS ASSEMBLY TO MAIN INCOMING WATER LINE DOWNSTREAM OF ANY UNIT REQUIRING UNRESTRICTED WATER FLOW. THIS UNIT IS FOR THE PURPOSE OF ALL DENTAL EQUIPMENT. PROVIDE EASY ACCESS TO MANUAL VALVES ON BY-PASS ASSEMBLY. PIPE SIZE AND EXACT LOCATION TO BE DETERMINED ON JOB SITE. VERIFY VALVE ASSEMBLY WITH DOCTOR AND SITE CONDITIONS. INSTALLED BY PLUMBER.



PLUMBER TO SUPPLY AND INSTALL MAIN SHUT-OFF VALVE PRIOR TO WATER BY-PASS VALVE.
 PLUMBER TO SUPPLY AND INSTALL MAIN COPPER WATER LINE TO THIS LOCATION. STUB OUT FROM WALL 3" MINIMUM.
 MODELS:
 #53020, #53021 (24 VOLT)
 #53020-1, #53021-1 (115 VOLT)
 NOTE: PHYSICAL CONDITIONS MAY VARY W/ JOB SITE CONDITIONS. VERIFY MODEL NUMBERS WITH DENTAL REP.
WV ELECTRIC WATER VALVE DIAGRAM
 (NOT TO SCALE)

INSTRUCTIONS TO THE PLUMBERS

- PLUMBER TO SUPPLY AND INSTALL A WATER PRESSURE REGULATOR ON INCOMING WATER SUPPLY. PLUMBER TO SET REGULATOR NOT TO EXCEED 65 PSI.
- PLUMBER SHALL SUPPLY AND INSTALL WATER FILTER (AND WATER SOFTENER WHERE NEEDED) ON THE COLD WATER MAIN ENTERING THE DENTAL SUITE.
- PLUMBER SHALL SUPPLY AND INSTALL SEPARATE MANUAL SHUT-OFF VALVES ON ALL SINKS, DENTAL UNITS AND OUTLETS REQUIRING WATER AND/OR AIR.
- PLUMBER TO SUPPLY AND INSTALL ANY AND OR ALL PIPE THREAD ADAPTERS AS SPECIFIED IN SPECIFICATIONS OR TEMPLATES.
- DRAINS FOR DENTAL EQUIPMENT SHALL BE INSTALLED AS PER LOCAL CODES AND REDUCED TO OUTLET SIZE AS SPECIFIED IN SPECIFICATIONS AND TEMPLATES.
- ALL SINKS AND FAUCETS TO BE CONNECTED BY PLUMBER.
- ALL PIPES TO BE CONCEALED WITHIN WALLS AND/OR FLOOR UNLESS OTHERWISE NOTED ON DRAWINGS.
- PLUMBER TO SEAL ALL PENETRATIONS THROUGH FLOOR WITH FIRE STOP OR EQUIVALENT WATERPROOFING TO PREVENT UNDUE DAMAGE TO AREAS BELOW.
- ALL PIPES TO BE FLUSHED CLEAR OF ALL DEBRIS BY PLUMBER.
- PLUMBER TO BE ON JOB SITE ON THE DAY(S) OF INSTALLATION TO WORK WITH THE DENTAL REPRESENTATIVE ON FINAL HOOK-UP. PLUMBER TO SUPPLY AND INSTALL ANY AND ALL MATERIALS NECESSARY TO COMPLETE DENTAL EQUIPMENT INSTALLATION.
- PLUMBER TO PROVIDE AND INSTALL ALL WATER SAFETY DEVICES EX: CHECK VALVES, BACK FLOW PREVENTERS ETC. AS REQUIRED BY LOCAL CODE.
- AN ELECTRIC MASTER WATER CONTROL VALVE IS REQUIRED FOR ANY/ALL COLD WATER LINES FEEDING ALL DENTAL EQUIPMENT. THIS WATER SHUT-OFF VALVE IS REQUIRED WHETHER SUPPLIED BY DENTAL REP, DOCTOR, OR PLUMBER.
- PLUMBER TO INSTALL COMPLETE AND MAKE FINAL HOOK UP TO THE FOLLOWING DENTAL EQUIPMENT NOTED, SUPPLIED BY THE DOCTOR AND OR DENTAL REPRESENTATIVE.
 - AIR COMPRESSOR(S)
 - CENTRAL SUCTION PUMP(S)
 - AIR/WATER SEPARATORS
 - ELECTRIC WATER CONTROL VALVE
- PLUMBER TO COMPLY WITH ALL DENTAL REP INSPECTIONS NOTED ON THE FIRST PAGE OF THESE DOCUMENTS, GENERAL CONDITIONS.

TREATMENT AREAS

UC UTILITIES WITHIN REAR SUPPORT CABINETS:
ACCUTRON SLIM LINE MODULE
 SUPPLY AND INSTALL 1/2" COPPER FILTERED C. WATER AND 5/8" O.D. AIR LINE WITH MALE PIPE THREAD ADAPTERS. EXTEND VACUUM BRANCH LINE UNDER FLOOR TO LOCATION SHOWN ON MFG. TEMPLATE. TERMINATE ALL PLUMBING 1" FROM FINISH FLOOR. SUPPLY AND INSTALL 1/2" ANGLE STOP VALVES WITH COMPRESSION ON AIR AND COLD WATER LINES. ALL UTILITIES LOCATED WITHIN CABINETS KICK SPACE. SEE DENTAL REPRESENTATIVE FOR LOCATIONS.

U UTILITIES FLOOR-ACCUTRON
 SUPPLY AND INSTALL 1/2" COPPER FILTERED C. WATER, 5/8" O.D. AIR LINES WITH MALE PIPE THREAD ADAPTERS. SUPPLY AND INSTALL 1/2" ANGLE STOP VALVES WITH COMPRESSION ON AIR AND COLD WATER LINES. ALL UTILITY STUBS TO BE TERMINATED 1" ABOVE THE FINISH FLOOR. SEE MFG. TEMPLATE INFORMATION.
 NOTE: UTILITY LOCATION AND STUB-UPS W/TERMINATIONS ARE "VERY" CRITICAL. VERIFY ALL PLUMBING AND PIPING SIZES WITH DENTAL REPRESENTATIVE!

VC VACUUM CONNECTION:
 RUN A 1" PVC SCH40 VACUUM LINE UNDER FLOOR TO STERILIZATION AT 2' ABOVE FINISH FLOOR AT THE "VC" LOCATION SHOWN. TERMINATE THE LINE WITH 1/2" MALE PIPE THREADS 1" FROM FINISH SURFACE. SUPPLY AND INSTALL A CHROME ANGLE STOP VALVE WITH 3/8" COMPRESSION FITTING AND CHROME COVER. VERIFY ALL LOCATIONS WITH DOCTOR AND CABINETS SUPPLIER.

TREATMENT AREAS

U UTILITIES FLOOR-ACCUTRON
 SUPPLY AND INSTALL 5/8" O.D. AIR PIPING LINES WITH MALE PIPE THREAD ADAPTERS. SUPPLY AND INSTALL 1/2" ANGLE STOP VALVES WITH COMPRESSION ON AIR LINES. VAC PIPING REDUCE RISER TO 1/2" COPPER PIPE FROM 1/2" PIPING. TERMINATE THE LINE WITH 1/2" MALE PIPE THREADS. VERIFY STOP VALVES/RISERS WITH DENTAL REP. ALL UTILITY STUBS TO BE TERMINATED 1" ABOVE THE FINISH FLOOR. VERIFY WITH MFG. TEMPLATE INFORMATION.
 NOTE: UTILITY LOCATION AND STUB-UPS W/TERMINATIONS ARE "VERY" CRITICAL. VERIFY ALL PLUMBING AND PIPING SIZES WITH DENTAL REPRESENTATIVE!

STERILIZATION AREA

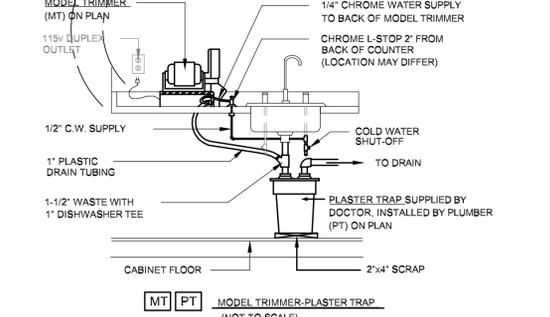
A AIR STATION: UNIVERSAL
 SUPPLY AND INSTALL A 1/2" COPPER COMPRESSED AIR LINE AT 21.75" ABOVE FINISH FLOOR AT ALL "A" LOCATIONS SHOWN. TERMINATE WITH 1/2" MALE PIPE THREADS 1" FROM FINISH SURFACE. SUPPLY AND INSTALL A CHROME ANGLE STOP VALVE WITH 3/8" COMPRESSION FITTING AND CHROME COVER. VERIFY ALL LOCATIONS WITH DOCTOR AND CABINETS SUPPLIER.

VC VACUUM CONNECTION:
 RUN A 1" PVC SCH40 VACUUM LINE UNDER FLOOR TO STERILIZATION AT 2' ABOVE FINISH FLOOR AT THE "VC" LOCATION SHOWN. TERMINATE THE LINE WITH 1/2" MALE PIPE THREADS 1" FROM FINISH SURFACE. SUPPLY AND INSTALL A CHROME ANGLE STOP VALVE WITH 3/8" COMPRESSION FITTING AND CHROME COVER. VERIFY ALL LOCATIONS WITH DOCTOR AND CABINETS SUPPLIER.

LAB. AREA

MT MODEL TRIMMER
 SUPPLY AND INSTALL A 3/8" COLD WATER SUPPLY LINE THROUGH COUNTER NEAR SINK TO A 3/8" ANGLE COMPRESSION VALVE SUPPLIED AND INSTALLED BY PLUMBER. SUPPLY AND INSTALL A DISHWASHER TEE INTO TAILPIECE OF SINK WASTE LINE AS SHOWN. SEE DETAIL. VERIFY LOCATION OF MODEL TRIMMER WITH DOCTOR.

PT PLASTER TRAP: DENTIFORM
 INSTALL PLASTER TRAP SUPPLIED BY DOCTOR TO A 1-1/2" CLOSE NIPPLE AND TAILPIECE FROM SINK. TAILPIECE ALSO SUPPLY AND INSTALL A 1-1/2" CLOSE NIPPLE, ELBOW AND PIPE TO WASTE LINE NOTE: DRAIN WASTE LINE TO BE STUBBED AT 2" ABOVE FINISH FLOOR TO ACCOMMODATE PLASTER TRAP INSTALLATION BY PLUMBER. PLACE PLASTER TRAP ON A 2X BLOCK OF WOOD BEFORE INSTALLATION OF TRAP. WOOD BLOCK TO REMAIN FOR SUPPORT AND EASE OF CLEANING ACCESS.



A AIR STATION: UNIVERSAL
 SUPPLY AND INSTALL A 1/2" COPPER COMPRESSED AIR LINE AT 45" ABOVE THE FINISH FLOOR AT ALL "A" LOCATIONS SHOWN. TERMINATE WITH 1/2" MALE PIPE THREADS 1" FROM FINISH SURFACE. SUPPLY AND INSTALL A CHROME ANGLE STOP VALVE WITH 3/8" COMPRESSION FITTING AND CHROME COVER. VERIFY ALL LOCATIONS WITH DOCTOR AND CABINETS SUPPLIER.

PLUMBING SYMBOL LEGEND

A	AIR STATION
AC	AIR COMPRESSOR
U	FLOOR UTILITY BOX
UC	UTILITIES WITHIN CABINET
VC	VACUUM CONNECTION
VP	VACUUM PUMP
WF	WATER DISINFECTANT SYS.
WV	WATER SOLENOID VALVE, 3/4" WITH FILTER

REV.	DATE
1	12.09.2025

ES ARCHITECTS
 22062 LORAN ROAD
 FAIRVIEW PARK, OHIO 44126
 PHONE: 261-408-9854 FAX: 440-761-8887



LEON S. SAMPAT
 LICENSE# 13053
 EXPIRATION DATE 12/31/2025

TENANT BUILD-OUT FOR:
DR. WHARTON
 1715 W. HIGH ST
 PIQUA, OHIO

JOB NO: 25-190
 DATE: 10.30.2025
 ISSUE: -
 SHEET:

P4.1

PLUMBING SPECIFICATIONS

GENERAL SPECIFICATIONS/PLUMBING

- 1. PERFORM WORK, PROVIDE MATERIALS AND EQUIPMENT FOR SYSTEMS SHOWN, SPECIFIED AND DESCRIBED ON DRAWINGS. COMPLETELY COORDINATE WORK OF THIS CONTRACT WITH WORK OF OTHER CONTRACTORS AND PROVIDE COMPLETE AND FULLY FUNCTIONAL INSTALLATION. REMOVE ALL DEBRIS CAUSED BY THIS CONTRACTORS WORK.
2. ADDRESS QUESTIONS REGARDING DRAWINGS TO ARCHITECT IN WRITING BEFORE AWARD OF CONTRACT. OTHERWISE, ARCHITECT'S INTERPRETATION OF MEANING AND INTENT OF SHEETS SHALL BE FINAL.
3. SHEETS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS AND WORK INCLUDED IN THE CONTRACT. IT IS NOT INTENDED TO SPECIFY OR SHOW EVERY OFFSET, FITTING OR COMPONENT, HOWEVER, CONTRACT DOCUMENTS REQUIRE COMPONENTS AND MATERIALS WHETHER OR NOT INDICATED OR SPECIFIED AS NECESSARY TO MAKE THE SYSTEMS BEING INSTALLED COMPLETE, TESTED AND OPERATIONAL. DETERMINE EXACT LOCATIONS OF UTILITIES, SYSTEMS AND COMPONENTS IN FIELD.
4. GIVE NOTICES, FILE PLANS, OBTAIN PERMITS AND LICENSES, PAY FEES AND BACK CHARGES AND OBTAIN NECESSARY APPROVALS FROM AUTHORITIES THAT HAVE JURISDICTION.
5. GUARANTEE WORK OF THIS CONTRACTOR IN WRITING FOR ONE YEAR FROM THE DATE OF OWNER'S ACCEPTANCE OF CERTIFICATE OF SUBSTANTIAL COMPLETION. PROMPTLY, REPAIR OR REPLACE DEFECTIVE MATERIALS, EQUIPMENT, WORKMANSHIP AND INSTALLATIONS THAT DEVELOP DEFECTS WITHIN THIS PERIOD. PROMPTLY AND TO OWNER'S SATISFACTION, CORRECT DAMAGE CAUSED IN MAKING NECESSARY REPAIRS AND REPLACEMENTS UNDER GUARANTEE AT NO ADDITIONAL COST TO OWNER.
6. ALL MATERIALS, EQUIPMENT AND METHOD OF INSTALLATION SHALL BE IN ACCORDANCE WITH THE STANDARDS, REGULATIONS, CODES, ORDINANCES, AND LAWS OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAWFUL JURISDICTION.
7. PRIOR TO COMMENCING WORK, CONTRACTOR SHALL SUBMIT SIX COPIES OF THE SHOP DRAWINGS AND EQUIPMENT DATA FOR MATERIALS AND EQUIPMENT TO THE ARCHITECT FOR REVIEW AND APPROVAL. MATERIALS AND EQUIPMENT SHALL NOT BE INSTALLED BEFORE SHOP DRAWINGS ARE REVIEWED AND APPROVED.
8. MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS LABORATORIES (UL) AND APPROVED BY NFPA, ASME, AND AGA FOR INTENDED SERVICE.
9. GENERAL NOTES, SYMBOLS LIST AND DETAILS ARE APPLICABLE TO ALL PLUMBING DRAWINGS.
10. WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEADROOM AT ALL TIMES. DO NOT RUN PIPES, CONDUITS, OR DUCTS EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS. MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS, SO THAT COMPLETED INSTALLATION SHALL OPERATE SAFELY AND EFFICIENTLY. COORDINATE INSTALLATION WITH OTHER TRADES.
11. AS WORK PROGRESSES AND FOR DURATION OF CONTRACT, MAINTAIN COMPLETE SET OF PRINTS OF CONTRACT DRAWINGS AT JOB SITE AT ALL TIMES. RECORD WORK COMPLETED AND ALL CHANGES FROM ORIGINAL CONTRACT DRAWINGS CLEARLY AND ACCURATELY INCLUDING WORK INSTALLED AS A MODIFICATION OR ADDITION TO THE ORIGINAL DESIGN.
12. ALL EQUIPMENT, PIPING, WIRING AND INSULATION, ETC., INSTALLED IN HVAC AIR PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
13. ALL SLEEVES THROUGH CONCRETE FLOORS AND FIRE RATED WALLS OR PARTITIONS SHALL BE FIRESTOPPED WITH UL RATED ASSEMBLIES WITH EQUAL FIRE RATING.
14. PLUMBING FIXTURES AND TRIM.
a. REFER TO ARCHITECTURAL AND PLUMBING SHEETS FOR QUANTITIES, LOCATIONS, AND MOUNTING HEIGHTS OF FIXTURES PROVIDED UNDER THIS SECTION.
b. PLUMBING FIXTURES: FURNISH AND INSTALL PLUMBING FIXTURES COMPLETE WITH TRIM, HANGERS, CARRIERS, TRAPS, SUPPLIES, STOP VALVES, ANCHORS AND SUPPORTS. EXPOSED TRIM SHALL BE CHROME PLATED. PROVIDE CHROME PLATED ESCUTCHEONS AT ALL PIPES PENETRATING WALLS. FAUCETS SHALL HAVE RENEWABLE SEATS AND DISCS. FLUSH VALVES SHALL HAVE STOPS, VACUUM BREAKERS AND METAL HANDLES. FIXTURES SHALL BE AMERICAN STANDARD, KOHLER OR AS APPROVED.

PLUMBING SYSTEMS & EQUIPMENT

- 1. DOMESTIC HOT WATER & HOT WATER RETURN (WHERE APPLICABLE) PIPE INSULATION: 1/2" THICKNESS OF ARAMFLEX RUBBER TUBE SELF SEAL PIPE COVERING, FINISHED VAPOR BARRIER JACKET. JACKET TO BE SEAL-SEALING. USE BUTT STRIPS AT JOINTS. INSULATION SHALL BE APPLIED ON ALL HOT WATER PIPING.
2. COLD WATER PIPE INSULATION: USE FIBERGLAS, TWO-PIECE, HEAVY DENSITY, PRE-MOLDED, WITH ARMAFLEX 25 ASJ/SSL TWO PIECE HEAVY DENSITY VAPOR PROOF. JACKET. PIPES 1-1/2" AND SMALLER TO HAVE 1/2" THICKNESS OF INSULATION AND PIPES 2" AND LARGER TO HAVE 1" THICKNESS OF INSULATION. USE BUTT STRIPS AT JOINTS. INSULATION SHALL BE APPLIED ON ALL COLD WATER PIPING.
3. CELLULAR FOAM INSULATION: ASTM C534, FLEXIBLE, CELLULAR ELASTOMERIC, MOLDED OR SHEET, ARMSTRONG, MODEL AP ARMAFLEX OR APPROVED EQUAL. PVC JACKET: ASTM D1784, ONE PIECE MOLDED TYPE FITTING COVERS AND SHEET MATERIAL, OFF-WHITE COLOR. A.D.A. LAVATORY - MOLDED, CLOSED CELL VINYL PROTECTIVE COVER WITH SMOOTH, HIGH GLOSS WHITE FINISH, UL LISTED AS MFG. BY TRUEBRO MODEL LAV GUARD OR MCGUIRE MODEL PROWRAP.
4. INSULATION SHALL BE BY ARAMFLEX OR APPROVED EQUAL.
5. INSULATION, JACKETS AND ADHESIVES SHALL BE FLAME RETARDANT AND SHALL HAVE ASTM E-84 FIRE HAZARD RATINGS OF 25 FLAME SPREAD, 50 SMOKE DEVELOPED AND 50 FUEL CONTRIBUTED.
6. ALL FITTINGS, VALVES, ETC., EXCEPT UNION: FITTINGS ARE TO BE INSULATED WITH MITERED SEGMENTED FIBERGLAS, COATED WITH SC-30 INSULATING CEMENT, COVERED WITH FIBERGLAS FITTING TAPE, AND O-OF FITTING MASTIC. FINISH MUST BE VAPORPROOF.
7. HOT AND COLD WATER PIPES: HOT AND COLD WATER PIPING THROUGHOUT THE BUILDING SHALL BE TYPE "L" HARD COPPER WITH BRASS FITTINGS AND SILVER SOLDERED JOINTS, USING 95/5 SOLDER. UNDERGROUND WATER LINES: TYPE "K" SOFT COPPER WITH NO JOINTS. INSTALL AIR CHAMBER OF 3/4 PIPE 9" LONG ABOVE EACH FIXTURE. PEX PIPING IS APPROVED ALTERNATIVE FOR HOT AND COLD WATER PIPING.
8. VENT PIPING: VENT PIPING SHALL BE SCALE FREE ANNEALED STEEL PIPE HEAVILY GALVANIZED INSIDE AND OUT. SCHEDULE 40, AND OF STANDARD WEIGHT. FITTINGS TO BE CAST IRON DRAINAGE TYPE.
9. CAST IRON SOIL PIPE AND FITTINGS: SANITARY SEWER AND STACKS SHALL BE CAST IRON SOIL PIPE AND FITTINGS. SAME SHALL BE CROWN ALABAMA AND TYLER SERVICE WEIGHT TESTED, ASPHALT COATED INSIDE AND OUT, AND EACH PIECE SHALL HAVE THE MAKERS NAME OR TRADEMARK CAST IN SAME. SOIL PIPE SHALL BE BELL AND SPIGOT TYPE FOR LEAD CAULK JOINTS. AT THE CONTRACTOR'S OPTION AND WHERE PERMITTED BY LOCAL CODE, JOINTS MAY BE NEOPRENE "O" RING OR "NO-HUB".
10. AT THIS CONTRACTOR'S OPTION AND WHERE PERMITTED BY LOCAL CODE, HE MAY USE PLASTIC PIPING FOR WASTE AND VENT STACKS. ALL PLASTIC WASTE AND VENT PIPING TO BE SCHEDULE 40 PVC PIPE WITH SOLVENT WELDED JOINTS. DO NOT USE PVC PIPING IN AREAS WHERE CEILING SPACES ARE USED FOR RETURN AIR (PLENUM). P.C. SHALL VERIFY WITH CITY OFFICIALS IF PVC PIPING WRAPPED IN 3M FIRE RATING IS ACCEPTABLE. NO COMPENSATION SHALL BE GIVEN FOR FAILURE TO OBTAIN THIS INFORMATION.

- 11. WASTE PIPING: WASTE PIPING 2" AND OVER SHALL BE SERVICE WEIGHT CAST IRON, SOIL PIPE AND FITTING, 1-1/2" AND UNDER SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE WITH BLACK CAST IRON DRAINAGE FITTINGS.
12. HANGERS, ANCHORS, CLAMPS AND INSERTS
a. PROVIDE ADJUSTABLE CLEVIS HANGERS FOR PIPING 2" AND LARGER, AND CAST BRASS SPLITTING WINGED HANGERS FOR SMALLER PIPING. SUPPORT PIPING FROM BUILDING STRUCTURE TO MAINTAIN REQUIRED GRADE AND PITCH OF PIPE LINES, PREVENT VIBRATION, SECURE PIPING IN PLACE. SECURE HANGERS TO INSERTS WHERE PRACTICAL. HANGER RODS SHALL HAVE MACHINE THREADS.
b. HANGER RODS SHALL BE CONNECTED TO BEAM CLAMP, UL-APPROVED CONCRETE INSERTS OR PHILLIPS OR APPROVED EQUAL EXPANSION SHIELDS. RAMSET OR POWER DRIVEN INSERTS WILL NOT BE ALLOWED.
c. HANGER SPACING SHALL MEET REQUIREMENTS OF STATE AND LOCAL CODES.
13. SLEEVES AND PENETRATIONS
a. PIPE SLEEVES THROUGH FIRE-RATED CONSTRUCTION SHALL BE SCHEDULE 40 STEEL SLEEVES THROUGH PARTITIONS AND NON-FIRE-RATED CONSTRUCTION SHALL BE 28 GAUGE GALVANIZED STEEL WITH LOCK LONGITUDINAL SEAMS.
b. FIRE STOP PENETRATION SEALS IN FIRE-RATED CONSTRUCTION SHALL BE CERAMIC FIBRE, MINERAL FIBRE, OR SILICONE FOAM. PROVIDE MINERAL FIBRE BOARD, MATTING OR PUTTY FOR DAMMING AND FORMING. FINISH SEALS FLUSH TO WALL SURFACE AND FILL GAPS WITH SILICONE ADHESIVE SEALANT CAULKING.
c. PACKING FOR SLEEVES THAT DO NOT REQUIRE MAINTENANCE OF FIRE RATING SHALL BE OAKUM, SILICATE FOAM, CERAMIC FIBRE WITH APPROVED SEALANT. PACK OR FOAM TO WITHIN ONE INCH OF BOTH WALL SURFACES. SEAL PENETRATION PACKING WITH APPROVED CAULKING AND PAINTABLE WATER-PROOF MASTIC SURFACE FINISH OR SILICONE CAULKING.
14. ACCESS
a. PROVIDE PROPER ACCESS TO EQUIPMENT THAT REQUIRE INSPECTION, REPLACEMENT OR REPAIR. ACCESS PANELS SHALL BE A MINIMUM OF 12"x12".
15. CLEANING
a. CLEAN SYSTEMS THOROUGHLY BEFORE TESTING. FIXTURES, EQUIPMENT, PIPE, VALVES, AND FITTINGS SHALL BE FREE OF GREASE, METAL CUTTINGS, DIRT AND OTHER FOREIGN MATERIAL.
b. REPAIR STOPPAGE, DISCOLORATION AND DAMAGE TO PARTS OF BUILDING, FINISH AND FURNISHINGS DUE TO FAILURE TO PROPERLY CLEAN PIPING SYSTEM.
16. CAULKED JOINTS: CAULKED JOINTS IN CAST IRON PIPING SHALL BE CAULKED SOLID WITH CLEAN SPUN OAKUM, THEN RUN FULL WITH PURE LEAD AT ONE POURING. LEAD SHALL THEN BE CAULKED SOLID AND TIGHT WITH PROPER TOOLS AND FINISHED SLIGHTLY BELOW THE TOPS OF THE HUBS.
17. SCREWED JOINTS: SCREWED JOINTS SHALL BE MADE BY SCREWING THE PIPE WELL INTO THE SEAT TO GIVE THE PIPE A LONG GRIP. ALL SCREWED JOINTS SHALL BE MADE TIGHT WITHOUT THE USE OF FILLING SUBSTANCES OR BY CAULKING. A COAT OF RED LEAD OR GRAPHITE AND OIL MAY BE USED ON THE MALE THREAD ONLY.
18. UNION JOINTS: UNION JOINTS SHALL BE PROVIDED IN THE WATER CONNECTIONS TO ALL FIXTURES AND IN THE WASTE CONNECTIONS TO LAVATORIES, SINKS, ETC. WHERE UNIONS ARE NOT SUPPLIED AS A PART OF THE FIXTURE TRIMMING, CRANE ALL BRASS GROUND JOINTS UNIONS SHALL BE USED. UNIONS SHALL ALSO BE PLACED IN THE CONNECTION TO WATER, ETC., AND AT INTERVALS THROUGHOUT SO THAT ANY PORTION OF THE PIPING CAN BE REMOVED FOR REPAIRS WITHOUT CUTTING OR BREAKING THE PIPE. UNIONS MAY BE NIBCO, NATIONAL OR EQUAL.
19. CLEANOUTS: CLEANOUTS SHALL BE PROVIDED IN ALL SOIL AND WASTE PIPE LINES AT SUCH LOCATIONS AS WILL ALLOW THE ENTIRE DRAINAGE SYSTEM TO BE RODDED OUT, AND WHERE PERMITTED BY CODE.
20. VENT AND SOIL EXTENSIONS ABOVE THE ROOF SHALL BE FLUSHED WITH 4 LB. LEAD SLEEVES AND SQUARE FLASHING, ALL BURNT AND MADE TIGHT. SLEEVES SHALL BE EXTENDED TO THE TOP OF THE VENT PIPING AND TURNED DOWN INSIDE THE PIPE. JOINT BETWEEN THE LEAD FLASHINGS AND THE ROOFING MATERIALS WILL BE MADE BY THE ROOFING CONTRACTOR.
21. VALVES:
A. BRANCH WATER LINES TO BE CRANE 1320 ALL BRONZE UP TO AND INCLUDING 2" IN SIZE. VALVES MAY BE FAIRBANKS, JENKINS BROS. OR EQUAL.
B. BALL VALVES - 2" AND SMALLER MILWAUKEE VALVE COMPANY #8A-100
C. SHUT-OFF VALVES SHALL BE PLACED IN ALL HOT AND COLD WATER SUPPLY CONNECTIONS TO ALL FIXTURES.
D. CHECK VALVE - 2" AND SMALLER CRANE #37.
E. BALANCE VALVE - BELL & GOSSETT "CIRCUIT SETTER"
F. FUEL GAS COCKS - CRANE 254, HAYS 7005 OR MUELLER H-11003
22. INSULATE ANY EXPOSED WATER PIPING UNDER LAVATORY WITH TRUEBRO PROTECTIVE COVERING OR APPROVED EQUAL.
23. DISINFECTION OF WATER SYSTEMS
1. AS REQUIRED IN LOCATIONS WHERE WATER FILTRATION SYSTEM IS NOT INSTALLED
a. WATER PIPING SYSTEMS SHALL BE THOROUGHLY DISINFECTED WITH A SOLUTION CONTAINING NO LESS THAN 50 PARTS PER MILLION OF AVAILABLE CHLORINE. CHLORINATING MATERIALS SHALL BE EITHER LIQUID CHLORINE OR SODIUM HYPOCHLORITE SOLUTION, SHALL BE INTRODUCED INTO THE SYSTEM AND DRAWN TO ALL POINTS IN THE SYSTEM. DISINFECTION SOLUTION SHALL BE ALLOWED TO REMAIN IN SYSTEM FOR 24 HOURS. DURING THIS TIME, VALVES AND FAUCETS SHALL BE OPENED AND CLOSED SEVERAL TIMES. AFTER DISINFECTION, SOLUTION SHALL BE FLUSHED FROM THE SYSTEM WITH CLEAR WATER UNTIL RESIDUAL CHLORINE CONTENT IS NO GREATER THAN 0.2 PARTS PER MILLION.
24. INDIRECT WASTE PIPING SHALL BE DWV COPPER PIPE AND FITTINGS WITH 50/50 SOLDERED JOINTS. PITCH PIPING TO THE DRAIN AT NO LESS THAN 1/4" PER FOOT SLOPE.
25. CONTRACTOR SHALL PROVIDE ALL ROUGH-INS FOR 'OWNER FURNISHED' EQUIPMENT AND MAKE FINAL CONNECTIONS. PROVIDE ALL PIPING, VALVES AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION OF SYSTEM.
26. MEDICAL GAS PIPING: MEDICAL GAS PIPING INCLUDING COMPRESSED AIR, OXYGEN, NITROUS OXIDE AND VACUUM SYSTEM SHALL BE IN ACCORDANCE WITH THE 2021 VERSION OF N.F.P.A.-99. COMPRESSED AIR, NITROUS OXIDE & OXYGEN PIPING SHALL BE SEAMLESS TYPE L AND K HARD COPPER TUBING WITH BRONZED JOINTS AND WROUGHT COPPER FITTINGS AND BALL TYPE VALVES SHALL BE IN ACCORDANCE WITH N.F.P.A.-99. VACUUM PIPING SHALL BE SCHEDULE 40 PVC PIPE WITH SOLVENT WELDED JOINTS. PIPING TO BE CLEANED, TESTED AND INSTALLED PER 2021 N.F.P.A.-99.

27. ALL PLUMBING & MEDICAL GAS PIPING SHALL BE PROPERLY IDENTIFIED WITH RELATED COLOR CODED ID PIPE MARKERS AS MANUFACTURED BY SETON OR APPROVED EQUAL.

28. PLUMBING CONTRACTOR SHALL FURNISH & INSTALL ALL MATERIAL, FIXTURES & LABOR WHICH IS NEITHER DRAWN NOR SPECIFIED, BUT WHICH IS OBVIOUSLY A COMPONENT PART OF, AND NECESSARY TO COMPLETE WORK, AND WHICH IS CUSTOMARILY A PART OF WORK OF SIMILAR CHARACTER.

29. GAS PIPING: FURNISH AND INSTALL COMPLETE DISTRIBUTION OF GAS PIPING. ALL CONNECTIONS TO HAVE BRASS UNIONS. AT EACH APPLIANCE, INSTALL LEVER HANDLE GAS COCK AND 6" LONG DIRT LEG IN GAS LINE. CONSTRUCT METER MANIFOLD IN ACCORDANCE WITH GAS COMPANY REQUIREMENTS. ALL GAS PIPING SHALL BE PAINTED, COORDINATE WITH THE ARCHITECT.

30. GAS PIPING UNDERGROUND: SCHEDULE 40 BLACK STEEL PIPE MILL WRAPPED WITH HILL-HUBBELL SERIES MGA-2 SEMI-PLASTIC RED ENAMEL OR SERIES OGA-2 PLASTIC RED ENAMEL. BOTH ENAMELS USING GLASS MAT AND FELT. THE TYPE OF WRAPPING USED SHALL BE DETERMINED BY OUTSIDE AIR TEMPERATURE AT THE TIME OF INSTALLATION OF PIPING. THE SERIES MGA BEING USED IF THE TEMPERATURE IS BELOW 32 DEGREES. ALL FITTINGS AND TEARS IN THE WRAPPING SHALL BE WRAPPED WITH 20 MIL THICK POLYKEM NO. 840 POLYETHYLENE OR SCOTCH NO. 51 POLYVINYL PRESURE SENSITIVE TAPE. UNDERGROUND PIPING SHALL BE CONNECTED TO ABOVE GROUND PIPING WITH A MALONEY FLANGE INSULATION KIT OR STYLE 39 DRESSER COUPLING. FITTING SHALL BE FORGED LONG RADIUS WELDING FITTINGS. PROVIDE CATHODIC PROTECTION OF UNDERGROUND GAS PIPING BY USE OF MAGNESIUM ANODES OF NUMBER AND IN LOCATION APPROVED BY THE LOCAL GAS COMPANY PRIOR TO INSTALLATION OF ANY PIPING.

31. GAS PIPING ABOVE GROUND: GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL PIPE. FITTINGS IN 1-1/2" SMALLER PIPE SHALL BE CAST IRON SCREWED FITTINGS; FITTINGS IN 2-1/2" AND LARGER PIPE SHALL BE FORGED LONG RADIUS WELDING FITTINGS.

PLUMBING SPECIALTIES (AS USED):

- 1. SHOCK ABSORBERS: PROVIDE AND INSTALL ON BRANCH WATER LINE TO EACH GROUP OF FIXTURES A FACTORY-BUILT SHOCK ABSORBER TO PREVENT WATER HAMMER. ZURN Z-17W, JOSAM OR J.R. SMITH.
2. FLOOR DRAINS JOSAM #3000A SERIES.
3. FLOOR DRAINS IN MECHANICAL EQUIPMENT ROOM SHALL BE JOSAM #34420
4. CLEANOUT: FLUSH FLOOR TYPE JOSAM #5600 SATIN NIKALLOY TOP AND MARKED "C.O.". WALL CLEANOUTS SHALL BE JOSAM #58770 WITH SQUARE ACCESS COVER, POLISH NIKALLOY FINISH.
5. TRAP PRIMER: PRECISION PLUMBING PRODUCTS, INC. 1/2" INLET/OUTLET. AUTOMATIC BRASS TRAP PRIMERS ACTIVATED BY A DROP IN BUILDING WATER PRESSURE. MODEL P-2 (PART NUMBER P2-500) FOR ONE (1) OR TWO (2) DRAINS WITH DISTRIBUTION UNIT, AND MODEL P-1 (PART NUMBER P1-500) WITH DISTRIBUTION UNIT PRIMING THREE (3) TO EIGHT (8) DRAINS. LOCATED IN AN ACTIVE COLD FRESH WATER LINE, AS INDICATED ON DRAWING OR REQUIRED BY CODE, OR APPROVED EQUAL.
6. MIXING VALVE (MV-1): POWERS HYDRO GUARD SERIES LM487. CAPACITY OF THE VALVE SHALL BE 12 GPM AT 45 PSIG DIFFERENTIAL. VALVE SHALL PERFORM TO A MINIMUM FLOW 0.5 GPM TO ASSE 1016 AND ASSE 1070. CONTROL TEMPERATURE SHALL BE ADJUSTABLE BETWEEN 80°-120°F. THE VALVE SHALL FEATURE A VANDAL-RESISTANT LOCKABLE HANDLE TO PREVENT TAMPERING. THE VALVE SHALL FEATURE INTEGRAL CHECKS TO PREVENT CROSS-FLOW AND INLET SCREENS TO FILTER OUT DEBRIS. THE VALVE SHALL BE CSA B125 CERTIFIED, ASSE 1016 AND ASSE 1070 LISTED. INSTALLATION AND LOCATION OF MIXING VALVE SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
7. FOOD WASTE DISPOSER: IN-SINK-ERATOR MODEL BADGER 5, CONTINUOUS FEED, WITH 1/2 H.P., 120 VOLT, SINGLE PHASE MOTOR, STAINLESS STEEL GRINDING ELEMENTS WITH TWO STAINLESS STEEL 360° SWIVEL LUGS.
8. PRIMARY ROOF DRAIN: ZURN SERIES 100. SECONDARY (OVERFLOW) ROOF DRAIN: ZURN Z-100-88-R-C WITH 2" OVERFLOW WATER LEVEL, OR J.R. SMITH, JOSAM CAST IRON LEVELEZE, POLYPROPYLENE DOME, INTEGRAL GRAVEL STOP BOTTOM OUTLET.

DENTAL CONSULTANT GENERAL NOTE:
P.C. SHALL COORDINATE ALL DEVICE LOCATIONS & EXACT PLUMBING REQUIREMENTS WITH TENANT'S DENTAL CONSULTANT & REFER TO DENTAL EQUIPMENT DRAWINGS AND SPECIFICATION SHEETS.
P.C. SHALL FURNISH & INSTALL ANY PLUMBING REQUIREMENTS. NO COMPENSATION SHALL BE GIVEN FOR FAILURE TO OBTAIN ANY INFORMATION.

Table with 2 columns: REV., DATE. Row 1: 12.09.2025

LS ARCHITECTS
22082 LORAN ROAD
FAIRVIEW PARK, OHIO 44126
PHONE: 261-408-9854 FAX: 440-761-8887



LEON S. SAMPAT
LICENSE # 13053
EXPIRATION DATE 12/31/2025

TENANT BUILD-OUT FOR:
DR. WHARTON
1715 W. HIGH ST
PIQUA, OHIO

JOB NO: 25-190

DATE: 10.30.2025

ISSUE: -

SHEET:

P6.1

GENERAL NOTES:

- DUCT RUN OUT SIZE SHALL BE THE SAME AS THE AIR OUTLET/INLET CONNECTION SIZE UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING MATERIALS AND EXACT LOCATIONS OF AIR DISTRIBUTION DEVICES.
- FLEXIBLE DUCTWORK SHALL BE INSTALLED WITHOUT KINKS AND WITHOUT BENDS GREATER THAN 30'.
- ALL DUCTWORK DIMENSIONS SHOWN ARE GROSS, NET FREE AREA OF WRAPPED INSULATION.
- ACCESS DOORS SHALL BE PROVIDED IN DUCTWORK FOR ACCESS TO ALL FIRE DAMPERS, SMOKE DAMPERS, MOTOR OPERATED DAMPERS AND COILS. (BOTH UPSTREAM AND DOWNSTREAM)
- INSTALL ALL EQUIPMENT REQUIRING AN ELECTRICAL CONNECTIONS IN SUCH A MANNER SO THAT PROPER CLEARANCE IS PROVIDED FOR SERVING PER NATIONAL ELECTRICAL CODE.
- FLEXIBLE DUCTWORK SHALL NOT PENETRATE THRU WALLS, RIGID SHEET METAL DUCTWORK IS REQUIRED AT ALL WALL PENETRATIONS.
- FLEXIBLE DUCTWORK SHALL NOT BE USED IN EXPOSED LOCATIONS.
- CONTRACTOR SHALL FURNISH AND INSTALL BALANCING DAMPERS AT ALL SUPPLY AND RETURN AIR BRANCH DUCTS AS REQUIRED FOR AIR BALANCE.
- DUCTWORK CONSTRUCTION AND INSTALLATION SHALL CONFORM TO OHIO AND INTERNATIONAL MECHANICAL CODE.
- MECHANICAL SYSTEM PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH OHIO AND INTERNATIONAL MECHANICAL CODE.
- FIRE STOPPING AROUND ALL PIPE AND DUCT PENETRATIONS THRU FLOOR AND WALLS SHALL BE IN ACCORDANCE WITH OHIO AND INTERNATIONAL MECHANICAL CODE.
- WHEN SUBMITTING SHOP DRAWINGS ON ALL EQUIPMENT PERTAINING TO THIS PROJECT, ALL ELECTRICAL REQUIREMENTS SHALL BE COORDINATED WITH THE ELECTRICAL PRIOR TO PURCHASING THE NEW EQUIPMENT. SUBMIT SHOP DRAWINGS WITH THE CORRECT VOLTAGES SHOWN ON THE MECHANICAL SCHEDULE SHEET.
- COORDINATE PLACEMENT OF NEW EQUIPMENT, ROUTING AND ELEVATIONS OF DUCTWORK WITH THE STRUCTURAL PLUMBING AND ELECTRICAL SO AS NOT TO INTERFERE WITH STRUCTURAL BEAMS, JOISTS, PLUMBING EQUIPMENT, PLUMBING PIPING, ELECTRICAL EQUIPMENT, ELECTRICAL LIGHTING AND/OR CONDUIT RUNS BEING INSTALLED.
- FIELD VERIFY PRIOR TO INSTALLATION THAT ALL DUCTWORK CAN BE INSTALLED AS SHOWN ON THE DRAWINGS. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO FABRICATION.
- COORDINATE EXACT LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES WITH ARCHITECTURAL REFLECTED CEILING PLANS, REFER TO ARCHITECTURAL DRAWINGS.
- ANY EXHAUST DUCTS & PIPING VENTS THRU ROOF SHALL BE A MINIMUM OF 10'-0" AWAY FROM ANY OUTSIDE AIR INTAKES.

ROUND DUCTS

- ALL ROUND DUCTWORK AND FITTINGS SHALL BE MANUFACTURED FROM G-90 GALVANIZED STEEL, CONFORMING TO ASTM AND SMACNA STANDARDS.
- STANDARD ELBOWS WILL HAVE 1.5 CENTERLINE RADIUS. OTHER RADI ANDVANED ELBOWS ARE AVAILABLE AS NEEDED. ELBOWS THROUGH 12" SHALL BE DIE FORMED, WITH STITCH WELDED JOINTS. ELBOWS 14" THROUGH 30" SHALL BE GORE-LOCKED CONSTRUCTION. ALL ELBOWS ABOVE 32" SHALL ALSO BE GORED, BUT WITH TACK WELD AND SEALED CONSTRUCTION FOR USE TO 4" W.G., OR SOLID WELDED FOR USE TO 10" W.G.
- BRANCH CONNECTIONS IN MEDIUM PRESSURE SYSTEMS SHALL BE CONICAL FOR 90 DEGREE TAPS, AND STRAIGHT FOR 45 DEGREES. SEAMS AND TAP CONNECTIONS SHALL BE TACK WELDED AND SEALED WITH MASTIC FOR USE UP TO 4" W.G., OR SOLID WELDED FOR USE TO 10" W.G.
- STANDARD CONNECTIONS ARE SLIP FIT WITH COUPLINGS. GASKETED (UP TO 36"), FLANGED, OR SPIRALMATE (BY DUCTMATE INDUSTRIES) CONNECTIONS ARE ALSO AVAILABLE.
- ALL ROUND DUCTWORK SHALL BE MANUFACTURED BY SPIRAL DUCT OR APPROVED EQUAL.

NOTES:
AIR DISTRIBUTION DEVICES SHALL BE PRICE MODELS OR APPROVED EQUAL.

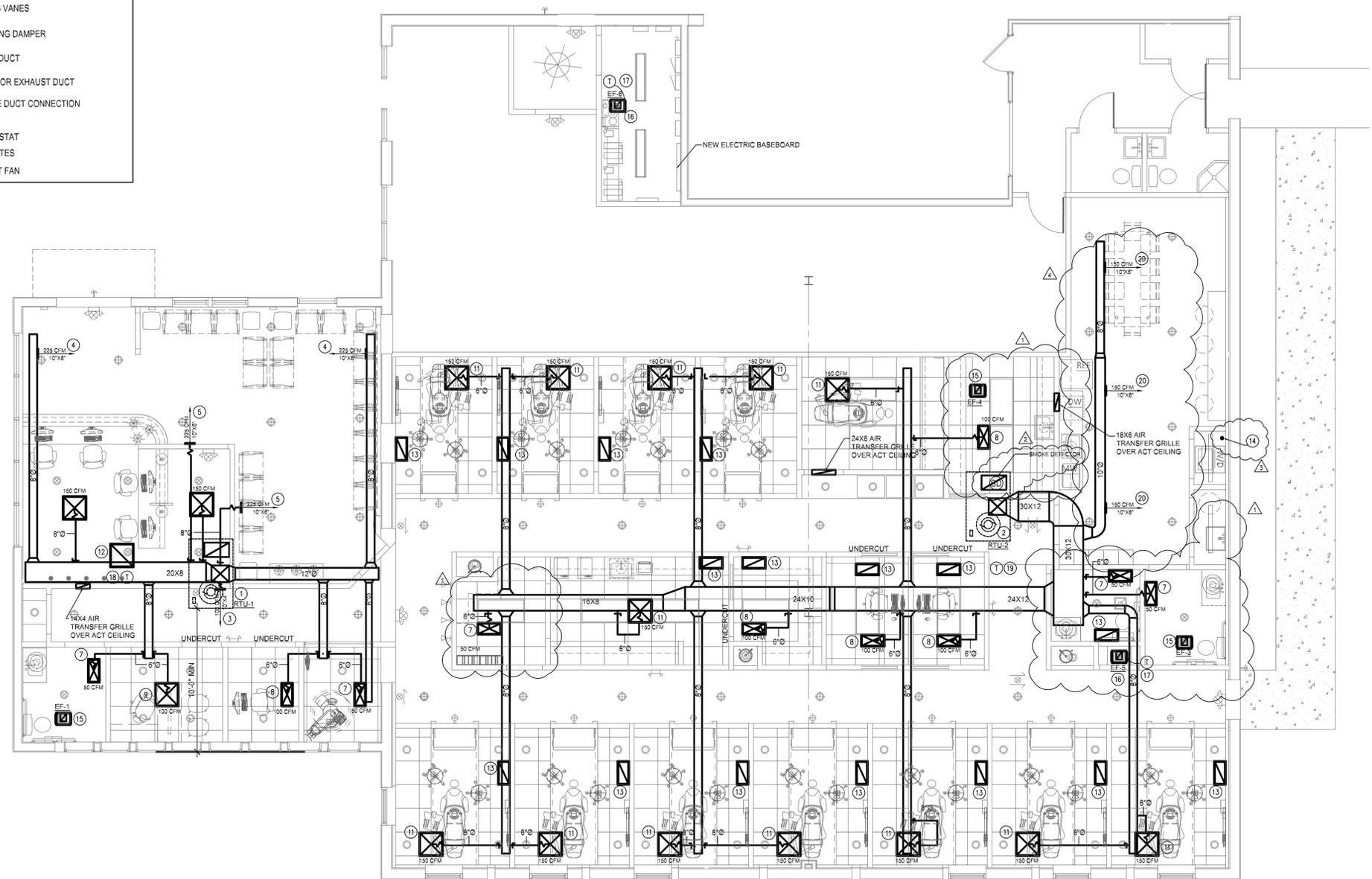
CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS IN FIELD PRIOR TO INSTALLATION OF NEW WORK.

Materials exposed within return air plenums shall be noncombustible or shall have a flame spread index of not more than 25 and a smoke-developed index of not more than 50, in compliance with OMC 602.2.1.

PLAN NOTES:

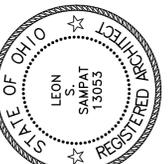
- NEW 4 TON ROOFTOP HEATING/COOLING UNIT "RTU-1". MC TO VERIFY EXACT SIZE OF SUPPLY AND RETURN AIR DUCT DROPS THRU ROOF. VERIFY CONDITIONS OF STRUCTURAL SUPPORT, SEE DETAIL SHEET M2.1, FURNISH AND INSTALL ADDITIONAL SUPPORT AS REQUIRED.
- NEW 7.5 TON ROOFTOP HEATING/COOLING UNIT "RTU-2". MC TO VERIFY EXACT SIZE OF SUPPLY AND RETURN AIR DUCT DROPS THRU ROOF. VERIFY CONDITIONS OF STRUCTURAL SUPPORT, SEE DETAIL SHEET M2.1, FURNISH AND INSTALL ADDITIONAL SUPPORT AS REQUIRED.
- FURNISH AND INSTALL A 10"x4" SIDEWALL PRICE MODEL 520D SUPPLY AIR REGISTER WITH 6"Ø NECK TO DELIVER 100 CFM.
- FURNISH AND INSTALL A 10"x6" PRICE MODEL RCG SUPPLY AIR REGISTER MOUNTED TO DUCT AS INDICATED TO DELIVER 225 CFM.
- FURNISH AND INSTALL A 10"x6" SIDEWALL PRICE MODEL 520D SUPPLY AIR REGISTER WITH 8"Ø NECK TO DELIVER 225 CFM.
- NOT USED
- FURNISH AND INSTALL A 12"x24" SCD CEILING MOUNTED SUPPLY AIR REGISTER WITH 6"Ø NECK TO DELIVER 50 CFM.
- FURNISH AND INSTALL A 12"x24" SCD CEILING MOUNTED SUPPLY AIR REGISTER WITH 6"Ø NECK TO DELIVER 100 CFM.
- FURNISH AND INSTALL A 24"x24" SCD CEILING MOUNTED SUPPLY AIR REGISTER WITH 6"Ø NECK TO DELIVER 100 CFM.
- NOT USED
- FURNISH AND INSTALL A 24"x24" SCD CEILING MOUNTED SUPPLY AIR REGISTER WITH 8"Ø NECK TO DELIVER 150 CFM.
- FURNISH AND INSTALL A NEW 24"x24" PRICE MODEL 80 CEILING MOUNTED RETURN GRILLE
- FURNISH AND INSTALL A NEW 12"x24" PRICE MODEL 80 CEILING MOUNTED RETURN GRILLE
- 4"Ø DRYER VENT DUCT UP THRU ROOF WITH APPROVED VENT CAP. 4"Ø SEIHO MODEL SX-4 WALL MOUNTED ALUMINUM VENT LOUVER (OR APPROVED EQUAL), CONNECT VENT TO 4"Ø DRYER VENT DUCT AS INDICATED. A 'PATE' PIPE CURB FLASHED AS REQD COMPLETE. DRYER VENT DUCT SHALL BE CONSTRUCTED OF GALVANIZED STEEL OR ALUMINUM IN COMPLIANCE WITH OMC 603.4. METAL AND SHALL HAVE A SMOOTH INTERIOR FINISH. THE ENTIRE SYSTEM SHALL BE SUPPORTED AND SECURED IN PLACE. THE MALE END OF THE DUCT AT OVERLAPPED DUCT JOINTS SHALL EXTEND IN THE DIRECTION OF AIRFLOW. CLOTHES DRYER TRANSITION DUCTS USED TO CONNECT THE APPLIANCE TO THE EXHAUST DUCT SYSTEM SHALL BE LIMITED TO 8'-0" AND SHALL BE LISTED AND LABELED FOR THE APPLICATION. TRANSITION DUCTS SHALL NOT BE CONCEALED WITHIN CONSTRUCTION. FIRE CAULKING SHALL BE USED IN AREAS WHERE DRYER EXHAUST DUCT PENETRATES A WALL OR CEILING MEMBRANE.
- 8"x6" EXHAUST AIR DUCT FROM DISCHARGE SIDE OF CEILING MOUNTED EXHAUST FAN UP TO GOOSENECK ON ROOF. SEE GOOSENECK DETAIL AND EXHAUST FAN SCHEDULE ON THIS SHEET
- TEMPERATURE CONTROLLED 8"x6" EXHAUST FAN, EXHAUST DUCT FROM DISCHARGE SIDE OF CEILING MOUNTED EXHAUST FAN UP TO GREENHECK MODEL EXHAUST ROOF CAP. SEE GREENHECK MODEL EXHAUST ROOF CAP DETAIL ON DRAWING M2.1.
- WALL MOUNTED PROGRAMMABLE THERMOSTAT TO CONTROL EXHAUST FAN PROVIDE ALL CONTROL WIRING REQ'D. MC TO COORDINATE WITH GC TO VERIFY SERVER EQUIPMENT EXHAUSTING REQUIREMENTS
- WALL MOUNTED PROGRAMMABLE THERMOSTAT TO CONTROL NEW RTU UNIT (RTU-1) LOCATED ON ROOF. PROVIDE ALL CONTROL WIRING REQ'D, VERIFY FINAL LOCATION WITH OWNER.
- WALL MOUNTED PROGRAMMABLE THERMOSTAT TO CONTROL NEW RTU UNIT (RTU-2) LOCATED ON ROOF. PROVIDE ALL CONTROL WIRING REQ'D, VERIFY FINAL LOCATION WITH OWNER.
- FURNISH AND INSTALL A 10"x6" PRICE MODEL RCG SUPPLY AIR REGISTER MOUNTED TO DUCT AS INDICATED TO DELIVER 150 CFM.

HVAC SYMBOLS AND ABBREVIATIONS	
SYMBOL	DESCRIPTION
	TURNING VANES
	BALANCING DAMPER
	SUPPLY DUCT
	RETURN OR EXHAUST DUCT
	FLEXIBLE DUCT CONNECTION
	THERMOSTAT
	PLAN NOTES
	EXHAUST FAN



REV.	DATE
1	12.09.2025
2	01.06.2026
3	01.20.2026
4	01.29.2026

LS ARCHITECTS
22082 LORAIN ROAD
FAIRVIEW PARK, OHIO 44126
PHONE 281-403-9854 FAX 440-76-8897



LEON S. SAMPAT
LICENSE# 13053
EXPIRATION DATE 12/31/2027

TENANT BUILD-OUT FOR:
DR. WHARTON
1715 W. HIGH ST
PIQUA, OHIO

JOB NO: 25-190
DATE: 10.30.2025
ISSUE: -
SHEET:

MECHANICAL PLAN
SCALE: 3/16" = 1'-0"

M1.1

ROOFTOP AIR CONDITIONING UNIT (RTU) SCHEDULE

MARK	MANUFACTURE MODEL NUMBER	CFM	E.S.P.	OUTSIDE AIR CFM	MOTOR		ELECTRICAL DATA			HEATING - CAPACITY		COOLING - CAPACITY		WEIGHT LBS	REMARKS
					HP	VOLTAGE	M.C.A.	M.C.B.	VOLTAGE	INPUT	OUTPUT	TOTAL	SENSIBLE		
RTU-2	TRANE YSC048A3	1,600	0.6"	277	1	208/60/3	23.9	35.0	208/60/3	120,000	96,000	49,200	47,000	1,200	① ② ③ ④ ⑤ ⑥
RTU-2	TRANE YHC092A3	3,000	0.6"	478	3.8	208/60/3	41.9	50.0	208/60/3	200,000	160,000	92,000	70,900	1,026	① ② ③ ④ ⑤ ⑥

EQUIPMENT SHALL BE "TRANE" OR APPROVED EQUAL. MC TO VERIFY ALL MODEL NUMBER DATA IS ACCURATE. NOTIFY ARCHITECT AS REQ'D

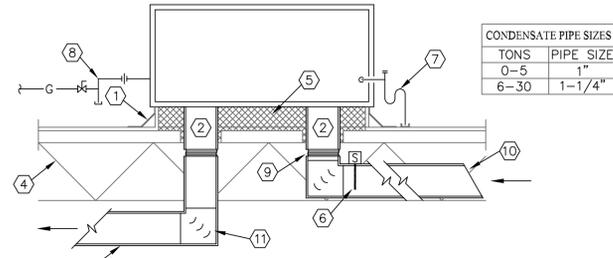
EXHAUST FAN SCHEDULE

MARK	MANUFACTURE MODEL NUMBER	CFM	S.P.	FAN WATTS	MOTOR VOLTAGE	TYPE	WEIGHT LBS	REMARKS
EF-1	GREENHECK SP-A110	75	0.25"	20.0	120/60/1	CEILING INLINE	25	BACKDRAFT DAMPER, HANGER KIT REQUIRED FOR COMPLETE INSTALLATION.
EF-2	NOT USED							
EF-3	GREENHECK SP-A110	75	0.25"	20.0	120/60/1	CEILING INLINE	25	BACKDRAFT DAMPER, HANGER KIT REQUIRED FOR COMPLETE INSTALLATION.
EF-4	GREENHECK SP-A110	100	0.25"	20.0	120/60/1	CEILING INLINE	25	BACKDRAFT DAMPER, HANGER KIT REQUIRED FOR COMPLETE INSTALLATION.
EF-5	GREENHECK SP-A110	100	0.25"	20.0	120/60/1	CEILING INLINE	25	BACKDRAFT DAMPER, HANGER KIT REQUIRED FOR COMPLETE INSTALLATION.
EF-6	GREENHECK SP-A780	600	0.70	348.0	120/60/1	CEILING INLINE	25	BACKDRAFT DAMPER, HANGER KIT REQUIRED FOR COMPLETE INSTALLATION.

FANS SHALL BE GREENHECK OR APPROVED EQUAL.

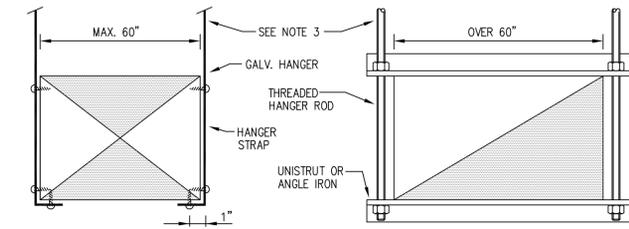
REMARKS

- ① - PREFABRICATED ROOFCURB
- ② - NIGHT SET BACK THERMOSTAT
- ③ - DISCONNECT SWITCH
- ④ - CONTROL PANEL
- ⑤ - ECONOMIZER
- ⑥ - THROW AWAY-FILTERS
- ⑦ - SMOKE DETECTORS IN R/A



- ① - SET ROOF CURB ON STRUCTURAL STEEL - SHIM DEAD LEVEL. SECURE ROOF CURB TO METAL DECK & A.C. UNIT TO ROOF CURB.
- ② - TRANSITION TO CONNECTION SIZES IN DUCT RISE. REFER TO PLANS FOR SIZES.
- ③ - INSULATE ENTIRE SUPPLY AND RETURN AIR DUCTS WITH 1" ACOUSTIC LINING.
- ④ - REFER TO STRUCTURAL DRAWINGS FOR JOINT LOCATIONS, SIZES & DIRECTION.
- ⑤ - PACK OPENING BETWEEN ROOF DECK AND DUCTS & ENTIRE CURB CAVITY WITH FIBERGLASS INSULATION. PROVIDE SHEETMETAL ENCLOSURE AT DUCT PENETRATION OF METAL ROOF DECK TO COVER UP & HOLD INSULATION IN PLACE.
- ⑥ - SMOKE DETECTOR IN RETURN DUCT TO SHUT DOWN ON ALARM. CONTRACTOR TO VERIFY EQUIPMENT WITH LOCAL AUTHORITY PRIOR TO INSTALLATION. SMOKE DETECTOR FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR, INSTALLED BY THE MECHANICAL CONTRACTOR.
- ⑦ - COPPER CONDENSATE DRAIN WITH CLEANOUT & 4" DEEP SEAL TRAP. DISCHARGE TO SPLASH PAD ON ROOF.
- ⑧ - GAS CONNECTION WITH GAS COCK, UNION AND DIRTLEG. REFER TO PLUMBING PLANS FOR GAS PIPE SIZES.
- ⑨ - FLEXIBLE CONNECTIONS (TYPICAL)
- ⑩ - RETURN OPENING, PAINT INTERIOR OF ALL DUCTWORK VISIBLE FROM FLOOR WITH PAINT TO MATCH BOTTOM OF ROOF DECK.
- ⑪ - TURNING VANES - (TYPICAL)

CONDENSATE PIPE SIZES	TONS	PIPE SIZE
0-5	1"	
6-30	1-1/4"	



NOTES:

- 1. ON DUCTS OVER 48" WIDE, BOTTOM SHALL BE BRACED BY ANGLE. FOR CROSS SECTION AREA MORE THAN 8 SQ FT, DUCT SHALL BE BRACED BY ANGLES ON ALL FOUR SIDES.
- 2. CUTTING AND PATCHING SHALL BE LIMITED TO A MINIMUM AS REQUIRED FOR PROPER INSTALLATION.
- 3. SUPPORTS SHALL BE SPACED AND SIZED AS PER SMACNA.
- 4. FOR HANGING DUCT: TRAPEZE DUCT OR STRAP HANGER AROUND DUCT COMPLETELY. DO NOT USE ANY SCREWS, BECAUSE THEY INTERFERE WITH DAMPER BLADE(S).

DUCT HANGER SUPPORT DETAIL
NO SCALE

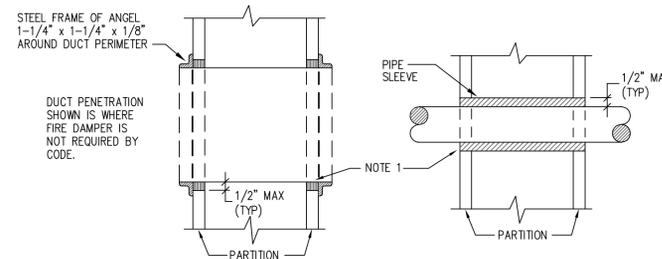
VENTILATION (RTU-1)

SPACE	FLOOR AREA (FT ²)	REQUIRED OA (CFM/FT ²)	OCCUPANCY	REQUIRED (CFM/PERSON)	AIR DISTRIBUTION EFFECTIVENESS	REQUIRED OA (CFM)
WAITING/RECEPT /CHECK-OUT	705	0.06	28	5	0.8	228
RESTROOM	56	0.06	-	5	0.8	4
CONSULT	80	0.06	3	5	0.8	25
MNGR OFFICE	48	0.06	1	5	0.8	10
PAN	56	0.06	1	5	0.8	10
TOTAL	945					277

VENTILATION (RTU-2)

SPACE	FLOOR AREA (FT ²)	REQUIRED OA (CFM/FT ²)	OCCUPANCY	REQUIRED (CFM/PERSON)	AIR DISTRIBUTION EFFECTIVENESS	REQUIRED OA (CFM)
HYG #1	92	0.06	2	5	0.8	20
HYG #2	92	0.06	2	5	0.8	20
HYG #3	92	0.06	2	5	0.8	20
HYG #4	92	0.06	2	5	0.8	20
TR #1	111	0.06	2	5	0.8	21
TR #2	111	0.06	2	5	0.8	21
TR #3	111	0.06	2	5	0.8	21
TR #4	111	0.06	2	5	0.8	21
TR #5	111	0.06	2	5	0.8	21
FUTURE TR #6	111	0.06	2	5	0.8	21
FUTURE TR #7	111	0.06	2	5	0.8	21
SURGERY RM	114	0.06	2	5	0.8	21
WET LAB	70	0.06	2	5	0.8	18
RESTROOM	53	0.06	-	5	0.8	4
STERIL	136	0.06	2	5	0.8	23
DRY LAB	67	0.06	2	5	0.8	18
DR OFFICE	63	0.06	1	5	0.8	11
ASSOC. OFFICE	42	0.06	1	5	0.8	10
TEAM ROOM	434	0.06	16	5	0.8	133
IT	12	0.12	-	5	0.8	2
RESTROOM	57	0.06	-	5	0.8	4
BULK STOR.	44	0.12	-	5	0.8	7
TOTAL	2,237					478

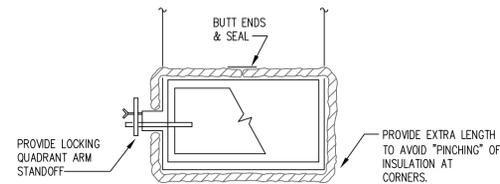
ROOFTOP AIR CONDITIONING UNIT NO SCALE



NOTES:

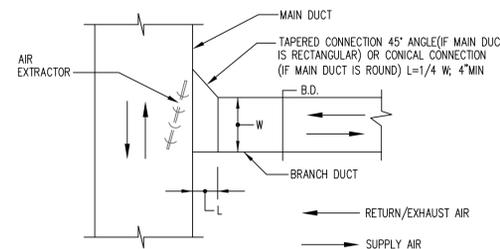
- 1. AT FIRE RATED PARTITIONS, ADD ADDITIONAL LAYER OF FIRE SAFING INSULATION AROUND PENETRATION SO AS TO FILL CAVITY.
- 2. DUCT AND PIPE PENETRATIONS THRU CORRIDOR WALLS ABOVE THE CEILING ARE TO BE FIRE STOPPED AROUND THE PENETRATION.

DUCT AND PIPE PENETRATIONS
NO SCALE

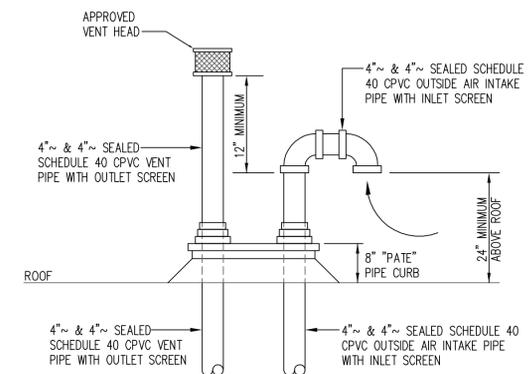


TYPICAL DUCT INSULATION & SUPPORTS

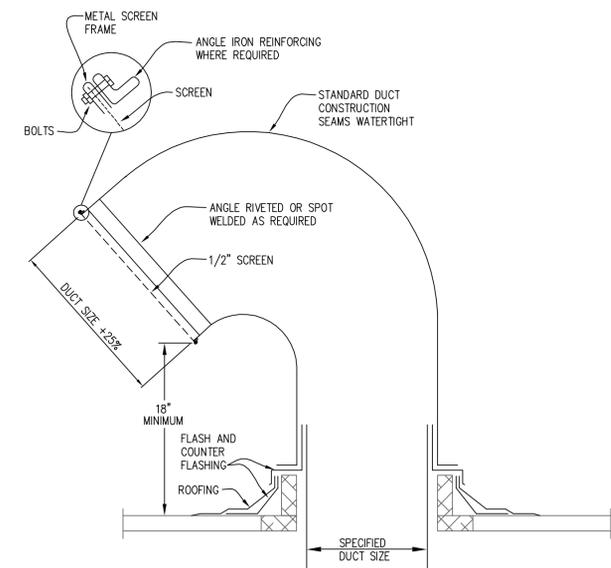
NEAR BALANCING DAMPERS NO SCALE



BRANCH TAKE-OFFS DETAIL
NO SCALE



VERTICAL TERMINATION OF OUTSIDE
AIR INTAKE AND VENT PIPE THRU ROOF
(DOMESTIC WATER HEATERS)
NO SCALE



RECTANGULAR GOOSENECK & COUNTER FLASHING
NO SCALE

REV.	DATE
1	12.09.2025

LS ARCHITECTS
22082 LORAN ROAD
FAIRVIEW PARK, OHIO 44126
PHONE: 264-408-9854 FAX: 440-76-8887



LEON S. SAMPAT
LICENSE # 13053
EXPIRATION DATE 12/31/2025

TENANT BUILD-OUT FOR:
DR. WHARTON
1715 W. HIGH ST
PIQUA, OHIO

JOB NO: 25-190
DATE: 10.30.2025
ISSUE: -

SHEET:
M2.1

GENERAL NOTES

1. CONFIRM ELECTRICAL REQUIREMENTS FOR "ALL" EQUIPMENT WITH VENDOR BEFORE ROUGH-IN.
2. THE EQUIPMENT VENDOR WILL SPOT LOCATIONS FOR ALL EQUIPMENT AND RECEPTACLES.
NOTE: SOME RECEPTACLES ARE LOCATED IN THE CABINETS.
3. ALL REQUIREMENTS SHALL BE VERIFIED BY MANUFACTURER'S SPEC SHEETS PROVIDED BY DENTAL EQUIPMENT SPECIALIST.
4. CONFIRM ELECTRICAL REQUIREMENTS FOR EACH EXAM/TREATMENT ROOM WITH VENDOR BEFORE ROUGH-IN.
5. ALL CIRCUITS OVER 75 FEET IN LENGTH SHALL USE #10 CONDUCTORS, WITH #10 GROUNDS.
6. ALL CIRCUITS IN THE HYGIENE AND TREATMENT/OPT. ROOMS SHALL HAVE REDUNDANT (DOUBLE) GROUNDS PER NEC 517.13 & 517.14.
7. ALL RECEPTACLES IN THE HYGIENE AND TREATMENT/OPT. ROOMS SHALL BE HOSPITAL GRADE PER NEC 517.16.
8. DUCT DETECTORS ARE FURNISHED BY THE MECHANICAL CONTRACTOR.
9. ALL POWER AND DATA OUTLETS SHALL BE MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED W/ GROMMETS @ COUNTER LOCATIONS.
10. TAMPER RESISTANT RECEPTACLES SHALL BE PROVIDED IN BUSINESS OFFICES, CORRIDORS, WAITING ROOM PER NEC 406.12(5).

CODED NOTES

- 1 PROVIDE 2" CONDUIT IN FLOOR DOWN FROM DENTAL CABINET TO BASE OF CHAIR.
- 2 LOCATION OF COMPUTER EQUIPMENT/SERVER. CONFIRM LOCATION WITH OWNER.
- 3 TV RECEPT @ 80" A.F.F.
- 4 SECURITY CAMERA RECEPT @ A.C.T., PROVIDE CAT 6
- 5 CHECK VERIFY IF OWNER TO HAVE ILLUMINATED LOGO OR TV/MONITOR AT THIS LOCATION
- 6 CHECK VERIFY IF OWNER/DENTAL REP IF DENTAL CARTS IN THIS AREA, NOTIFY ARCHITECT AS REQD FOR ADDITIONAL ELECTRICAL LOAD

REV.	DATE
1	12.09.2025
2	01.06.2026
3	01.20.2026
4	01.29.2026

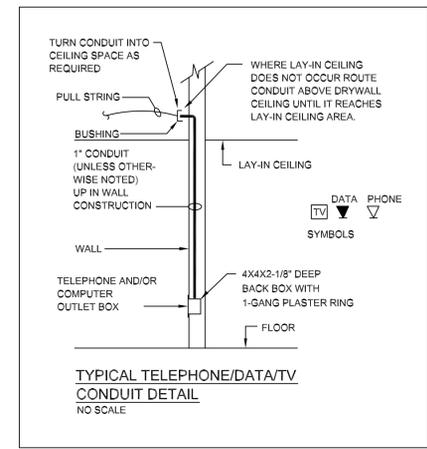
LS ARCHITECTS
 22082 LOPAN ROAD
 FAIRVIEW PARK, OHIO 44126
 PHONE 264-403-9854 FAX 440-76-8897

EQUIPMENT SCHEDULE					
SPEC #	EQUIPMENT DESCRIPTION	VOLTS/AMPS	DEDICATED CKT	LOW VOLTAGE	REMOTE SWITCH
4A	2" CONDUIT WITH PULL-STRING (CONFIRM CONDUIT SIZE WITH EQUIPMENT VENDOR)				
5	DENTAL CHAIR RECEPTACLE. LOCATION SPOTTED BY EQUIPMENT VENDOR.	115V/3A			
6	DENTAL LIGHT. REQUIRES MOUNTING SUPPORT IN CEILING. SEE E2.1. SEE MANUFACTURER'S SPEC.	115V/3A			
9	SELF-CONTAINED X-RAY. SEE DETAIL & SPEC. REQUIRES MECHANICAL GROUND AND MOUNTING SUPPORT.	115V/20A	X		
9C	PANORAMIC X-RAY - SEE MFG. SPECS. REQUIRES A MECHANICAL GROUND & MOUNTING SUPPORT.	220V/20A	X		
9D	X-RAY REMOTE MOMENTARY BUTTON SUPPLIED BY SS INSTALLED BY EC. CONNECT TO XRAY PER MFG. SPECS.			X	X
14	STERILIZER (STATIM) - SEE MFG. SPECS. SWITCHED OUTLET RECOMMENDED.	115V/20A	X		
14A	STERILIZER (AUTO-CLAVE) - SEE MFG. SPECS. (CONFIRM VOLTAGE RATING OF EQUIPMENT)	115V OR 220V	X		
15	ULTRASONIC CLEANER - SEE MFG. SPECS.	115V/15A	X		
16	MODEL TRIMMER - SEE MFG. SPECS.	115V			
25	AIR COMPRESSOR W/DRYER - SEE MFG. SPECS. SUPPLY BUCK/BOOST TRANSFORMER IF REQUIRED.	220V/30A	X	X	
27B	DRY VACUUM SYSTEM - SEE MFG. SPECS. SUPPLY BUCK/BOOST TRANSFORMER IF REQUIRED.	2-220V	X	X	

*EQUIPMENT AS NOTED

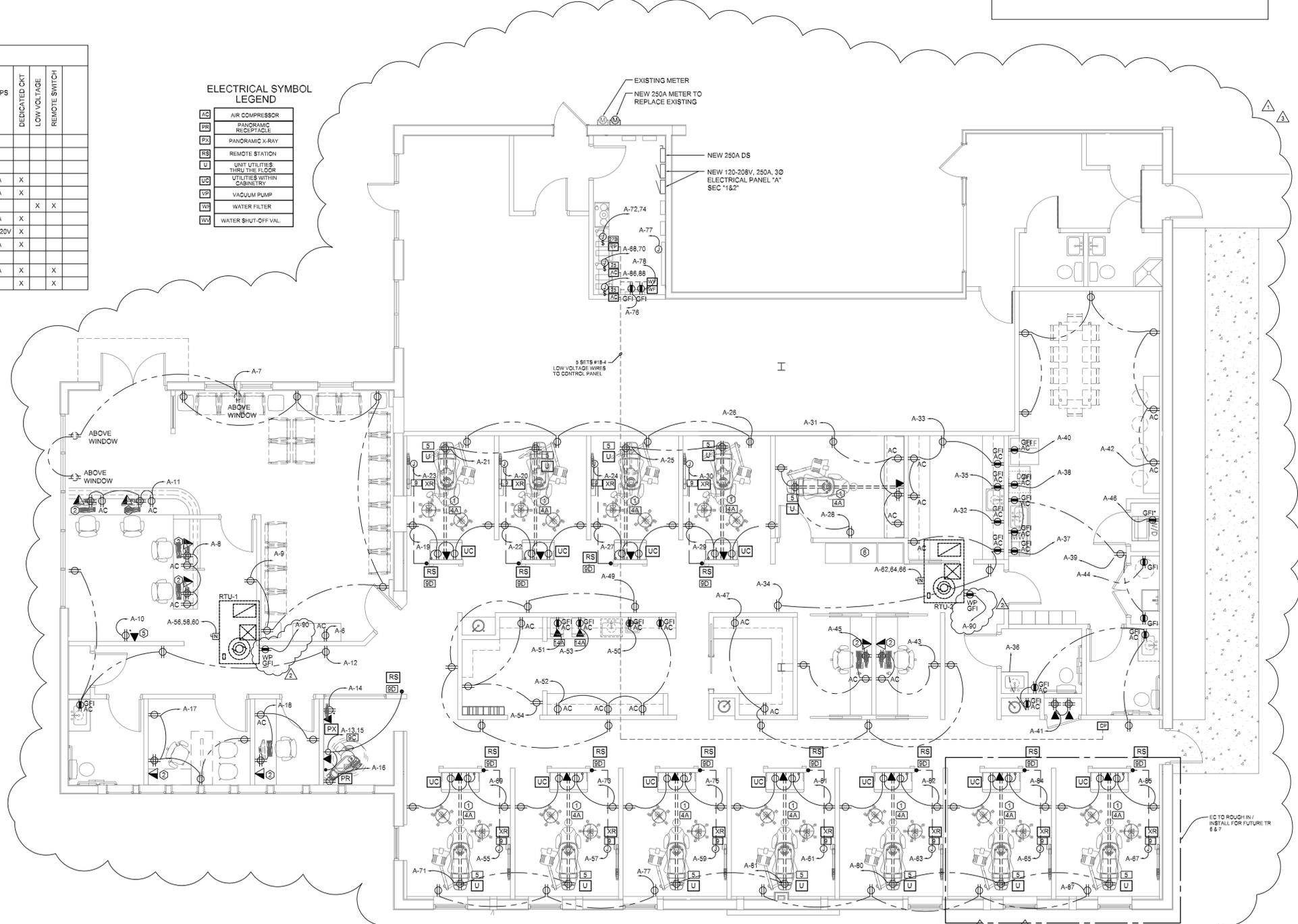
ELECTRICAL SYMBOL LEGEND

AC	AIR COMPRESSOR
PR	PANORAMIC RECEPTACLE
PX	PANORAMIC X-RAY
RS	REMOTE STATION
U	UNIT UTILITIES THRU THE FLOOR
UC	UTILITIES WITHIN CABINETS
VP	VACUUM PUMP
WF	WATER FILTER
WS	WATER SHUT-OFF VAL.

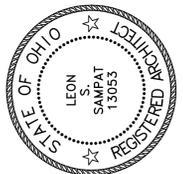


ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	MOUNTING HEIGHT
(Cross-hatch)	CROSS-HATCH INDICATES NUMBER OF WIRES RUN IN CONDUIT (NOT INCLUDING GROUND)	
(Dashed line)	INDICATES RUN BELOW GRADE - CROSS-HATCH INDICATES NUMBER OF WIRES RUN IN CONDUIT (NOT INCLUDING GROUND)	
⚡	SINGLE-POLE TOGGLE SWITCH, 120/277VAC, 20A	48" A.F.F.
⚡	THREWAY SWITCH, 120/277VAC, 20A	48" A.F.F.
⊕	JUNCTION BOX	
⊕	DUPLEX RECEPTACLE OUTLET 125V, 20A, 2-POLE, 3-WIRE, NEMA-5-20R	18" AFF U.O.N.
⊕	SAME AS ABOVE EXCEPT GROUND FAULT INTERRUPTER TYPE	18" AFF U.O.N.
⊕	QUAD RECEPTACLE OUTLET 125V, 20A, 2-POLE, 3-WIRE, NEMA-5-20R	18" AFF U.O.N.
⊕	SAME AS ABOVE EXCEPT GROUND FAULT INTERRUPTER TYPE	18" AFF U.O.N.
⊕	SINGLE RECEPTACLE OUTLET 250V, 20A, 2-POLE, 3-WIRE, NEMA-8-20R	18" AFF U.O.N.
⊕	RECEPTACLE, 120/240V, 30A, 2-POLE, 4-WIRE, NEMA-14-30R	18" AFF U.O.N.
⊕	FUSIBLE DISCONNECT SWITCH, SIZE AS NOTED	
⊕	OUTDOOR WEATHERPROOF FUSIBLE DISCONNECT SWITCH, SIZE AS NOTED	
AS/AF	AMP SWITCH/AMP FUSE	
LP	LIGHT PANEL (LP)	
WP	WIRE WHIP, NUMBER INDICATES HEIGHT ABOVE FLOOR	
LV	LOW VOLTAGE WIRING, SUPPLIED BY VENDOR, WIRED BY EC.	
GC	GENERAL CONTRACTOR	
.	HEIGHT TO BE DETERMINED IN THE FIELD	
AC	ABOVE COUNTER, APPROXIMATELY 45" AFF	
BC	BELOW COUNTER	
EC	ELECTRICAL CONTRACTOR	
MC	MECHANICAL CONTRACTOR	
WP	WEATHERPROOF	
EF	EXHAUST FAN, SUPPLIED BY MC, WIRED BY EC.	CEILING



ELECTRICAL POWER PLAN
 SCALE: 3/16" = 1'-0"



LEON S. SAMPAT
 LICENSE# 13053
 EXPIRATION DATE 12/31/2027

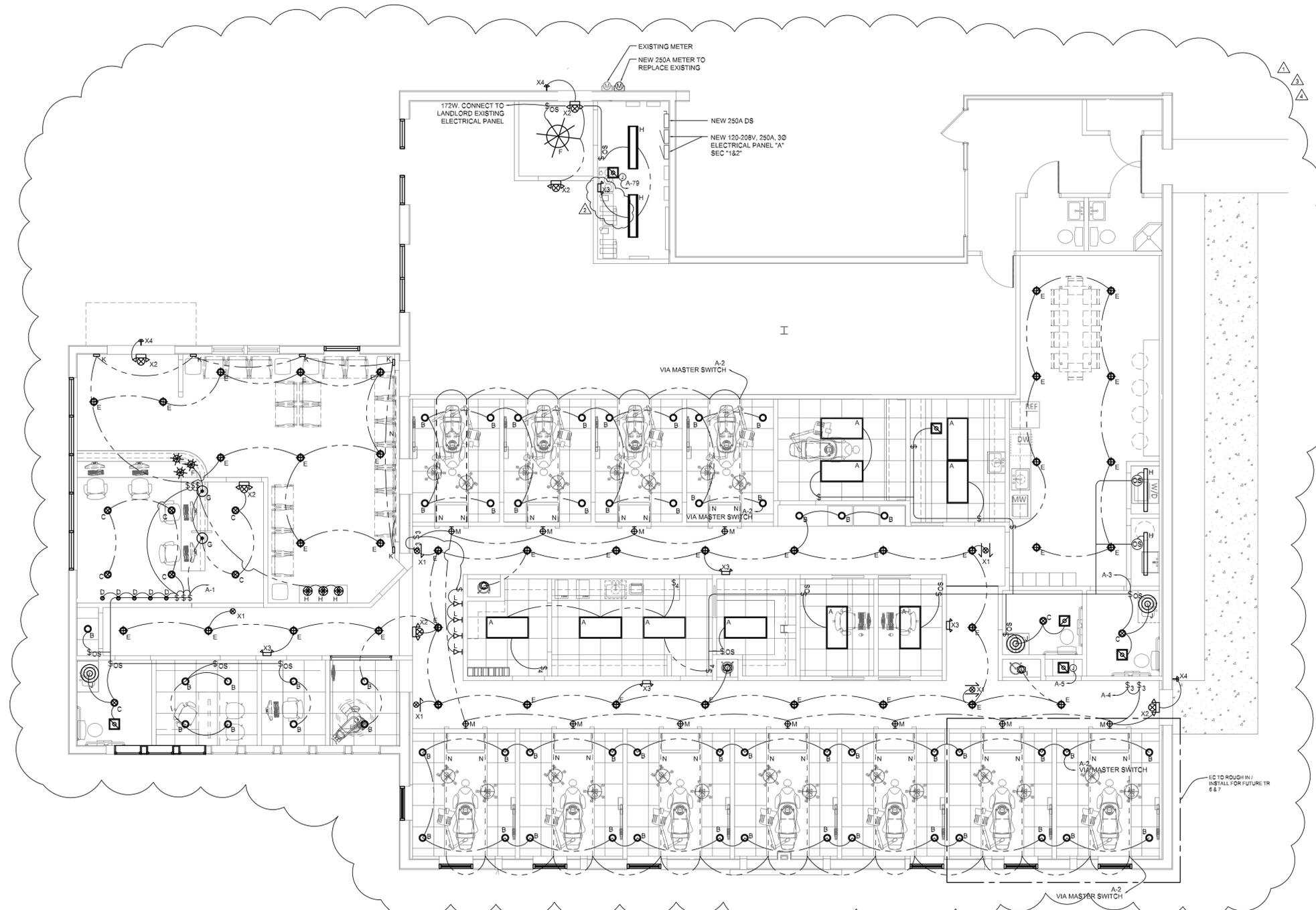
TENANT BUILD-OUT FOR:
DR. WHARTON
 1715 W. HIGH ST
 PIQUA, OHIO

JOB NO: 25-190
 DATE: 10.30.2025
 ISSUE: -
 SHEET:

E1.1

LIGHT FIXTURE SCHEDULE

ID	SYMBOL	DESCRIPTION	VOLT	LAMPS	TOTAL WATTS	MANUFACTURER	CATALOG NUMBER
A	□	2x4 RECESSED LED PANEL FIXTURE, G.C. TO VERIFY FINISH (DEFAULT WHITE), COLOR LENS/CONTROL OPTIONS	120	LED	45W	HALCO	24PNL / 45 / 850 / LED (4000K)
B	○	8" RECESSED LED DOWNLIGHT KIT, G.C. TO VERIFY FINISH (DEFAULT WHITE) COLOR AND HOUSING	120	LED	10W	SLYVANIA	LED / RT8 / 700 / 830 / FL80
C	⊕	6" RECESSED LED DOWNLIGHT KIT, G.C. TO VERIFY FINISH (BLACK) COLOR AND HOUSING	120	LED	10W	SLYVANIA	LED / RT6 / 700 / 830 / FL80
D	⊕	4" RECESSED LED DOWNLIGHT KIT, G.C. TO VERIFY FINISH (BLACK) COLOR AND HOUSING	120	LED	8W	SLYVANIA	LED / RT4 / 675 / 9 / 40
E	⊕	PENDANT FIXTURE, FURNISHED BY OWNER	120	LED	17W	NSL	SP-P5048D-4000K-05
F	✱	CHECK-IN CHANDELIER	120	LED	45W	ARHAUS.COM	AGNES CHANDELIER SKU: 6610031H221
G	⊕	CHECK-OUT PENDANT LIGHT FIXTURE	120	LED	15W	ARHAUS.COM	AGNES PENDANT SKU: 6610031H218
H	⊕	BEVERAGE STATION PENDANT LIGHT FIXTURE	120	LED	15W	BULBSQUARE	SKU: L00024-01-1
I	⊕	BRUSHING STATIONS PENDANT LIGHT FIXTURE	120	LED	15W	DAINOLITE	CRESENT MINI PENDANT
J	⊕	RESTROOMS PENDANT LIGHT FIXTURE	120	LED	15W	UTTERMOST	SIGH 20"
K	□	LOBBY SCONCE LIGHT FIXTURE	120	LED	25W	WAYFAIR.COM	SKU: W110352057
L	∇	HALL LOGO SCONCE LIGHT FIXTURE	120	LED	15W	LIGHTCOVE.STORE	MINIMALISTIC SCONCE - WALL LIGHT FIXTURE BRASS WALL LAMP
M	⊕	12 O'CLOCK WALL SCONCE LIGHT FIXTURE	120	LED	15W	ALORA MOOD	SENO WALL SCONCE, MATTE BLACK FINISH
N	---	COVE LED LIGHT BY GC	120	LED	3W/FT	N/A	N/A



ELECTRICAL LIGHTING PLAN
SCALE: 3/16" = 1'-0"

REV.	DATE
1	12.09.2025
2	01.06.2026
3	01.20.2026
4	01.29.2026

US ARCHITECTS
 22082 LORAIN ROAD
 FAIRVIEW PARK, OHIO 44126
 PHONE 26-403-9854 FAX 440-76-8887



LEON S. SAMPAT
 LICENSE # 13053
 EXPIRATION DATE 12/31/2027

TENANT BUILD-OUT FOR:
DR. WHARTON
 1715 W. HIGH ST
 PIQUA, OHIO

JOB NO: 25-190
 DATE: 10.30.2025
 ISSUE: -
 SHEET:

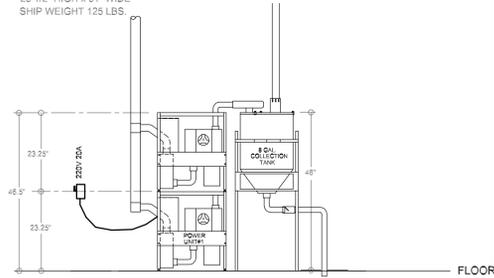
E2.1

AC AIR COMPRESSOR: DEAN DENTAL SYSTEMS 55-1
ELECTRICIAN TO PROVIDE A 220VOLT, 30 AMP, DEDICATED CIRCUIT AT 38" ABOVE MOUNTING SURFACE, TO A DISCONNECT PROVIDED BY ELECTRICIAN. ELECTRICIAN TO MAKE ALL CONNECTIONS BETWEEN COMPRESSOR AND DISCONNECT. SUPPLY IF ANY AND ALL MATERIALS NEEDED TO ENERGIZE THE COMPRESSOR. PROVIDE AND INSTALL A BOOST TRANSFORMER, IF NEEDED TO MAINTAIN A MINIMUM OF 208VOLTS, 60HZ. AIR COMPRESSOR TO BE CONTROLLED BY A LOW VOLTAGE CONTROL PANEL "CP" SUPPLIED BY DR. SEE "CP" FOR DESCRIPTION. **VERIFY EXACT MODEL WITH DENTAL REP INSTALLED BY ELECTRICIAN**

FULL LOAD AMPS: 11.4
31" H. X 38" W. X 25" D.
SHIP WEIGHT 300 LBS.

VP VACUUM PUMP: DEAN DRY VACUUM SYSTEM DV
INSTALL 220 VOLT, SINGLE PHASE, 30 AMP NEMA 6-15R POWER RECEPTACLES AT 24" ABOVE FINISHED FLOOR, TO "VP" LOCATION IN MECH. ROOM. THE PUMP SHALL BE CONTROLLED BY A LOW VOLTAGE MASTER CONTROL PANEL "CP". RUN (2) #18-4 LOW VOLTAGE WIRES FROM THE VACUUM MOTOR TO THE CONTROL PANEL "CP". 65" ABOVE FIN. FLOOR. MAKE FINAL CONNECTION INTO "VP". (DENTAL REP CONNECTS LOW V. WIRES). SEE CONTROL PANEL (CP) SPECIFICATION ON THIS SHEET, AND MFR'S. INSTALLATION INSTRUCTION SHEET FOR FURTHER DETAILS. **VERIFY EXACT MODEL WITH DENTAL REP INSTALLED BY ELECTRICIAN**

(EACH MOTOR)
FULL LOAD AMPS: 20.6
23 1/2" HIGH X 31" WIDE
SHIP WEIGHT 125 LBS.



VP VACUUM PUMP: STS-6 DRY VACUUM SYSTEM
(NOT TO SCALE)

NOTE!
MAKE SURE THAT THERE IS ADEQUATE VENTILATION IN THE LOCATION OF THE VACUUM PUMP SYSTEM. HEAT BUILDUP DISSIPATION IS CRITICAL!

CP CONTROL PANEL: DENTAL
SUPPLY AND INSTALL (4) #18-4 WIRES FROM CONTROL PANEL AT 65" ABOVE FINISH FLOOR TO THE FOLLOWING DENTAL EQUIPMENT. ALLOW 18" WIRE LEADS FOR FINAL CONNECTIONS. VERIFY CONTROL PANEL LOCATION WITH DOCTOR.

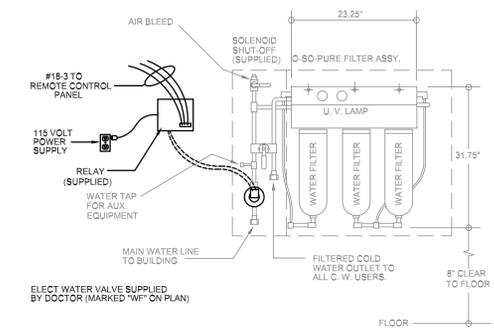
- AIR COMPRESSOR (ONE) SET OF #18-4 WIRES
- VAC PUMP #1 (ONE) SET OF #18-4 WIRES
- VAC PUMP #2 (ONE) SET OF #18-4 WIRES
- WATER VALVE (ONE) SET OF #18-4 WIRES

CONTROL PANEL IS A 24 VOLT APPLICATION. **INSTALLED BY ELECTRICIAN**

WF WATER SOLENOID SHUT-OFF/WATER DISINFECTANT SYS
PROVIDE AND INSTALL A 115VOLT 15 AMP. RECEPTACLE AT VALVE BY-PASS ASSEMBLY LOCATION. VALVE TO BE CONTROLLED BY CONTROL PANEL "CP". SEE "CP" DESCRIPTION FOR LOW VOLTAGE REQUIREMENTS. VERIFY VALVE LOCATION WITH DOCTOR AND SITE CONDITIONS.

TO BE INSTALLED BY ELECTRICIAN

ELECTRICAL LOAD:
115 VOLT WITH 24 VOLT RELAY
ULTRA VIOLET LAMP: 25 WATTS

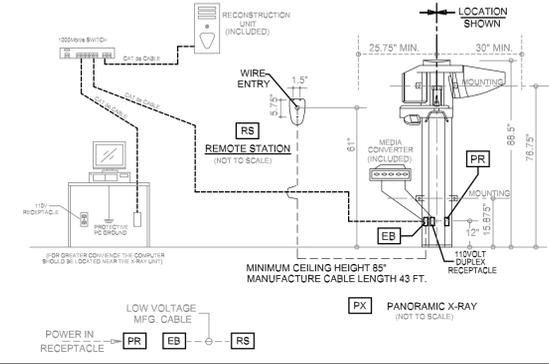


NOTE: PHYSICAL CONDITIONS MAY VARY WITH JOB SITE CONDITIONS

WF ELECTRIC WATER SOLENOID VALVE & FILTER DIAGRAM
(NOT TO SCALE)

WV REMOTE WATER CONTROL VALVE:
PROVIDE AND INSTALL AT 15VOLT 15AMP. RECEPTACLE AT VALVE ASSEMBLY LOCATION. WATER VALVE TO BE CONTROLLED BY A CONTROL PANEL "CP". SEE "CP" DESCRIPTION FOR LOW VOLTAGE REQUIREMENTS. VERIFY WATER VALVE LOCATION WITH DOCTOR AND SITE CONDITIONS. **INSTALLED BY ELECTRICIAN**

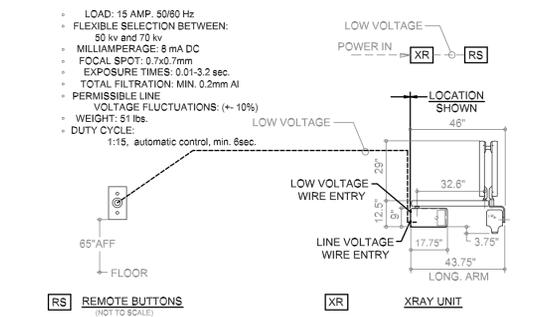
PR PANORAMIC X-RAY RECEPTACLE: GENERAL
SUPPLY AND INSTALL A 230V, 25 AMP, DEDICATED CIRCUIT RECEPTACLE AT "PR" LOCATION 32" ABOVE FINISH FLOOR. SUPPLY AND INSTALL A SINGLE GANG BOX AT BOTH "EB" AND "RS" LOCATIONS. "RS" LOCATION TO BE 54" ABOVE FINISH FLOOR, AND "EB" LOCATION AT 32" ABOVE FINISH FLOOR. PULL MANUFACTURE SUPPLIED CABLE BETWEEN "EB" AND "RS" LOCATIONS. ALLOW 70" WIRE LEADS AT "EB" LOCATION, AND 18" WIRE LEADS AT "RS" LOCATION. SUPPLY AND INSTALL A FINISHED WALL PLATE WITH A 1/2" RUBBER GROMMET AT "EB" LOCATION. DO NOT CUT MANUFACTURE CABLE. SEE MANUFACTURE TEMPLATE INFORMATION. ALL WIRING REQUIREMENTS TO MEET LOCAL CODES. NOTE: SUPPLY AN ELECTRICAL OUTLET 110V FOR FIBER OPTIC FEATURE OF X-RAY.



U UTILITIES THRU THE FLOOR: GEN. UTILITY SERVICE CENTER
INSTALL A 115 VOLT 20 AMP SERVICE IN CONDUIT THROUGH FLOOR AND STUB-UP TERMINATED PER MFR'S. TEMPLATE SPECS. IT IS IMPORTANT THAT THE SERVICES ARE WHERE THEY SHOULD BE. IF PROBLEMS, SEE DENTAL REPRESENTATIVE.

UC UTILITIES INTO CABINET: GEN. REAR SUPPORT CONSOLE
INSTALL A 115VOLT 20AMP SERVICE IN WIRE WHIP THROUGH REAR CABINET AND TERMINATED PER MFR'S. TEMPLATE SPECS. IT IS IMPORTANT THAT THE SERVICES ARE WHERE THEY SHOULD BE. IF PROBLEMS, SEE DENTAL REPRESENTATIVE.

XR X-RAY: (GC VERIFY)
SUPPLY AND INSTALL A 115V, 20 AMP, DEDICATED CIRCUIT AT "XR" LOCATION 50" ABOVE FINISH FLOOR. SUPPLY AND INSTALL #18-4 WIRES FROM "XR" TO "RS" LOCATION 50" ABOVE FINISH FLOOR. ALLOW 18" WIRE LEADS FOR FINAL CONNECTIONS BY X-RAY TECH. SEE MANUFACTURE TEMPLATE INFORMATION.



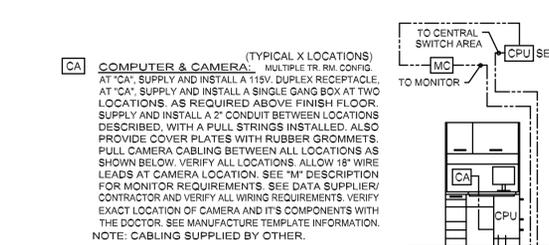
SEE DENTAL REP TECHNICAL SERVICES REP FOR VOLTAGE REQUIREMENT

C AIR COMPRESSOR - Separate circuit, 220 Volts, 30 Amps, single phase. Install 3 #12 wires 24" above floor. Final connection by electrician. NOTE: If 208 volt, or lower, electrician to supply and install a boost transformer. See manufacturer's specifications.

SU SUCTION UNIT RECEPTACLE - Separate circuit, 220 Volts, 30 Amps, single phase NEMA 6-15R receptacle with 3 #12 wires. Install 24" above floor. If 208 Volt service, or lower is provided, electrician is to supply a boost transformer. See manufacturer's specifications.

CP MASTER AIR/VACUUM/WATER SWITCHES - Install control panel 65" above floor. Run #18-3 low voltage wires from air compressor, both vacuum motors and the water solenoid shut-off valve located in mechanical room.

COMPUTER DATA REQUIREMENTS



CA COMPUTER & CAMERA: MULTIPLE TR. RM. CONFIG. AT "CA" SUPPLY AND INSTALL A 115V, DUPLEX RECEPTACLE. AT "CA" SUPPLY AND INSTALL A SINGLE GANG BOX AT TWO LOCATIONS, AS REQUIRED ABOVE FINISH FLOOR. SUPPLY AND INSTALL A 2" CONDUIT BETWEEN LOCATIONS DESCRIBED, WITH A PULL STRING INSTALLED. ALSO PROVIDE COVER PLATES WITH RUBBER GROMMETS. PULL CAMERA CABLING BETWEEN ALL LOCATIONS AS SHOWN BELOW. VERIFY ALL LOCATIONS. ALLOW 18" WIRE LEADS AT CAMERA LOCATION. SEE "M" DESCRIPTION FOR MONITOR REQUIREMENTS. SEE DATA SUPPLIER/ CONTRACTOR AND VERIFY ALL WIRING REQUIREMENTS. VERIFY EXACT LOCATION OF CAMERA AND ITS COMPONENTS WITH THE DOCTOR. SEE MANUFACTURE TEMPLATE INFORMATION. NOTE: CABLING SUPPLIED BY OTHER.

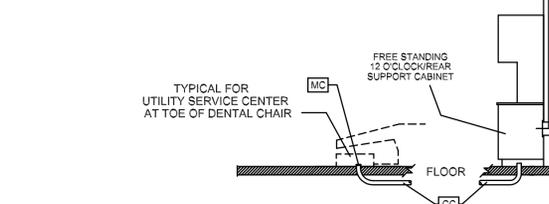
NOTE: FUTURE, VERIFY REQUIREMENTS AND LOCATIONS WITH DOCTOR.

CSA CPU & CENTRAL SWITCHING AREA
SUPPLY AND INSTALL (2) 4X4 BOX'S AND FIT THEM WITH QUAD RECEPTACLES TO BE A 115 V, 20 AMP DEDICATED CIRCUIT. FOR A TOTAL OF EIGHT OUTLETS FOR SWITCHER, SERVER & CAMERA EQ. PLACE BOX'S AT * ABOVE FINISH FLOOR AT "CSA" LOCATION. ALSO SUPPLY AND INSTALL TWO 4X4 BOX'S WITH MUD RINGS FOR DATA CABLING INTO CLOSET AREA* ABOVE FINISH FLOOR. IF CODES REQUIRE CONDUIT, SUPPLY AND INSTALL ALL MATERIALS NEEDED. LABEL ALL CABLES AND ALLOW 4" WIRE LEADS AT ALL LOCATIONS. CONSULT WITH DENTAL REP. VERIFY "CSA" LOCATION WITH THE DOCTOR.

* HEIGHT AND LOCATION TO BE DETERMINED ON JOB SITE.

NOTE: FUTURE APPLICATION. VERIFY ALL REQUIREMENTS AND LOCATIONS WITH THE DOCTOR. SPECIFIC MANUFACTURER AND MODEL UNDETERMINED.

CC COMMUNICATIONS CONDUIT (DATA)
SUPPLY AND INSTALL A 2" CONDUIT FROM "REAR 12 O'CLOCK" CABINET TO UNDER TOE PORTION OF CHAIR. ALSO, SUPPLY AND INSTALL AN ADDITIONAL CHASE RUN FROM "12 O'CLOCK" LOCATION AS SHOWN TO AN ACCESSIBLE AREA ABOVE CEILING AS PER SHEET "D1". SEE MANUFACTURER'S TEMPLATE FOR CONDUIT ENTRY LOCATIONS. SEE SHEET E1 FOR THE GENERAL DIAGRAM ILLUSTRATIONS. VERIFY ALL LOCATIONS WITH THE DOCTOR. ELECTRICAL CODES. TERMINATE CONDUIT AT ALL LOCATIONS WITH A RUBBER GROMMET TRIM RING.



CC COMMUNICATIONS CONDUITS
(NOT TO SCALE)

NOTE: FUTURE APPLICATION. VERIFY ALL REQUIREMENTS AND LOCATIONS WITH THE DOCTOR. SPECIFIC MANUFACTURER AND MODEL UNDETERMINED.

INSTRUCTIONS FOR THE ELECTRICIANS

- ALL EQUIPMENT TO BE WIRED SINGLE PHASE UNLESS OTHERWISE NOTED.
- ALL WIRE TO BE CONCEALED WITHIN WALLS AND/ OR FLOORS UNLESS OTHERWISE NOTED ON DRAWINGS.
- ALL WIRES TO BE TAGGED AS TO PLACE OF ORIGIN OR FUNCTION.
- THESE PLANS AND SPECIFICATIONS ARE PREPARED FOR THE PLACEMENT OF DENTAL EQUIPMENT ONLY. LOCATIONS OF HVAC, TELEPHONES, RECEPTACLES, ETC. ARE NOT DENTAL REP'S RESPONSIBILITY. VERIFY LOCATIONS WITH THE DOCTOR.
- ELECTRICIAN TO VERIFY WITH DOCTOR ON SUPPLY AND INSTALLATION FOR THE FOLLOWING:
 - COMPUTER SYSTEM
 - SECURITY SYSTEM
 - STEREO SYSTEM
 - TELEPHONE SYSTEM
 - EMERGENCY LIGHTING
 - EXIT SIGNS
- DO NOT DUPLICATE NEW RECEPTACLES IF EXISTING ARE NEAR, REVIEW WITH DOCTOR FOR FINAL DECISION.
- PROVIDE AND INSTALL "GF" CIRCUITS AND/OR RECEPTACLES AS REQUIRED BY LOCAL AND/OR STATE CODE.
- PROVIDE AND INSTALL "HOSPITAL GRADE" WIRING, LIGHT FIXTURES, SWITCHES, RECEPTACLES ETC. AS REQUIRED BY LOCAL AND/OR STATE CODE.
- REPLACE ANY EXISTING DUPLEX RECEPTACLES AND/OR PLATES THAT ARE DAMAGED, PAINTED OVER, MISSING, NOT PROPERLY GROUNDED ETC.
- BLANK OFF ANY DEVICES THAT ARE IN LINE WITH NEW CONSTRUCTION.
- ELECTRICIAN TO INSTALL COMPLETE AND MAKE FINAL HOOK UP TO THE FOLLOWING DENTAL EQUIPMENT NOTED, (SUPPLIED BY THE DOCTOR AND OR DENTAL REP.

<input type="checkbox"/> AIR COMPRESSOR(S)	<input type="checkbox"/> CONTACTOR(S)
<input type="checkbox"/> CENTRAL SUCTION PUMP(S)	<input type="checkbox"/> BOOST TRANSFORMER(S)
<input type="checkbox"/> ELECTRIC WATER SOLENOID VALVE	<input type="checkbox"/> RECESSED VIEW BOX(S)
<input type="checkbox"/> CONTROL PANEL FOR ABOVE ITEM(S)	
- ELECTRICIAN TO BE ON JOB SITE ON THE DAY(S) OF INSTALLATION TO WORK WITH THE DENTAL REPRESENTATIVE ON FINAL HOOK-UP. ELECTRICIAN TO SUPPLY AND INSTALL ANY AND ALL MATERIALS NECESSARY TO COMPLETE DENTAL EQUIPMENT INSTALLATION AS NOTED ABOVE AND DESCRIBED HERE IN.
- IN THE EVENT OF ANY EQUIPMENT BEING RELOCATED TO ANOTHER LOCATION, ANY AND ALL CIRCUITS MUST BE TERMINATED BY ELECTRICIAN AS PER LOCAL CODES. VERIFY RESPONSIBILITY WITH THE OWNER.
- ELECTRICIAN TO SEAL ALL PENETRATIONS THROUGH FLOOR WITH FIRE STOP OR EQUIVALENT WATERPROOFING TO PREVENT UNDUE DAMAGE TO AREAS BELOW.
- ELECTRICIAN TO COMPLY WITH ALL DENTAL REP INSPECTIONS NOTED ON THE FIRST PAGE OF THESE DOCUMENTS, GENERAL CONDITIONS.

REV.	DATE

US ARCHITECTS
22082 LORAN ROAD
FAIRVIEW PARK, OHIO 44126
PHONE 216-403-9854 FAX 440-76-8887



LEON S. SAMPAT
LICENSE # 13053
EXPIRATION DATE 12/31/2025

TENANT BUILD-OUT FOR:
DR. WHARTON
1715 W. HIGH ST
PIQUA, OHIO

JOB NO: 25-190
DATE: 10.30.2025
ISSUE: -
SHEET:

E3.1

ELECTRICAL SPECIFICATION

GENERAL - PART I

- Work consists of providing equipment, service, labor and materials necessary for complete electrical systems ready for use as indicated on drawings and in this specification. This work involves an addition to and renovation of an existing facility. Work by this contractor shall be in compliance with the latest edition of the National Electrical Code (NFPA-70) as well as applicable regulations of city, county and state agencies.
- All permits required by law to be obtained for work shall be secured and paid for by this Contractor and the fee for same shall be included in his bid.
- The Electrical Contractor shall be responsible for visiting the job site and becoming familiar with the existing conditions before submitting a bid.
- All work shall be guaranteed to be free from defects for a period of one (1) year from date of acceptance by Owner, and this Contractor shall agree to make good any defects which may appear within that time.
- The specifications are to be used as a guide for quality of workmanship, quantities, etc., and are intended to cover all parts of the system, but the omission of express mention in the specifications or on the drawing of items which are obviously necessary for the proper functioning of the system shall not relieve this Contractor from responsibility for providing same and necessary labor for installation.
- Electrical Contractor to do all cutting, patching, trenching, and backfilling as required for installation of his work. In no case shall reinforcing or structural support members be cut without specific permission obtained from the Architect.
- Not used.
- All electrical equipment and materials shall be UL labeled and listed per NEC 110.3(A)(1).
- The bid shall contemplate the furnishing and installing of material and equipment exactly as specified or shown or equal as approved by the Owner. Bids submitted shall list any items of material or equipment other than but similar to the ones called for. These substitutions shall be submitted for approval before awarding the contract. Otherwise, this Contractor shall comply with specifications requirements.
- The Electrical contractor shall provide necessary temporary electric service facilities for power and lighting as required.
- Exact wiring requirements of all heating, and air conditioning equipment to be verified and coordinated with the Mechanical Contractor on the job before installation.
- This Contractor shall keep an up-to-date record of all deviations from the contract drawings. He shall neatly and correctly enter in colored crayon any deviations on drawings affected. At completion of this job, Contractor shall deliver a set of prints showing these deviations to the Architect.
- The electrical drawings indicate size of conduits, conductors, outlets, etc., and approximate locations of various parts of the work. No changes shall be made in sizes or arrangements without approval of the Engineer.
- Allowances for additional work may not be included in any request for payment unless all of the following provisions are satisfied:
 - Once a problem or defect in the existing electrical system is discovered, the contractor shall immediately notify the engineer and owner.
 - The engineer and owner will inspect the area involved and determine a course of action.
 - The engineer and owner will request an itemized breakdown of material and labor.
 - Once the breakdown has been approved, and only then, the contractor shall proceed with the work and the amount shall become part of the contract.
- Materials shall be new and in perfect condition when installed and shall be protected from all injury until final acceptance of the system.
- In respect to all materials required, this Contractor shall furnish materials that conform to A.I.E.E., A.S.M.E., N.E.M.A., and A.S.T.M. specifications.
- This Contractor shall submit shop drawings and product data in sextuplicate to the Architect before such items are ordered fabricated for the job on the following items of equipment:
 - Lighting fixtures
 - Lighting Panels
- Testing of all work under this contract shall be done by the Contractor in presence of the Owner or his representative. All apparatus, equipment, fixtures, devices, etc., shall fully meet the requirements of these specifications and drawings.
- This Contractor shall remove all tools, surplus materials and debris of all kinds from his work and leave all in a clean, perfect condition, fully satisfactory to the Owner.
- Certificates of inspection shall be delivered free of charge to the Owner by this Contractor showing that all work and materials under this contract fully meet the requirements and approval of Inspection Department of the proper authority. No extra compensation will be allowed for any changes necessary for code compliance regardless of the method of installation shown on drawings for specified herein.
- Seal around all raceway penetrations of fire rated walls.

BASIC MATERIALS AND METHODS - PART II

1. CONDUIT, FITTINGS AND OUTLET BOXES

- Wiring shall be installed in conduit of standard electrical trade sizes. Underwriters listed as follows:
 - Conduit in interior masonry walls, stud partitions, over ceilings, exposed shall be electrical metallic tubing.
 - Motor connection shall be made with liquid tight flexible metal conduit.
 - In finished areas, conduits shall be concealed in building construction.
 - Contractor shall obtain permission from Architect for all exposed conduit runs and all wall and floor penetrations.
 - Pull boxes and junction boxes shall be used where required, but located as to be accessible, as to not conflict with piping, ductwork, kept to size consistent with convenience, introduction of wiring cables. Boxes shall not be fastened to ductwork or piping.
 - Outlet boxes shall be securely fastened in position. Location of outlets shall be checked with Architect and equipment drawing for exact location before installation. Conduits shall be settled by Architect. Outlets indicate proposed location of equipment only, actual location of outlet is dependent upon data furnished by Architect and/or equipment installation. Conduits shall be pitched, where possible, to eliminate accumulation of moisture.
 - Flush outlets for receptacles, switches, telephone, computer system, and lighting shall be standard, pressed steel boxes of type suitable for device and shall meet Architect's approval to fit into construction.
 - Outlet boxes shall not be mounted back to back.

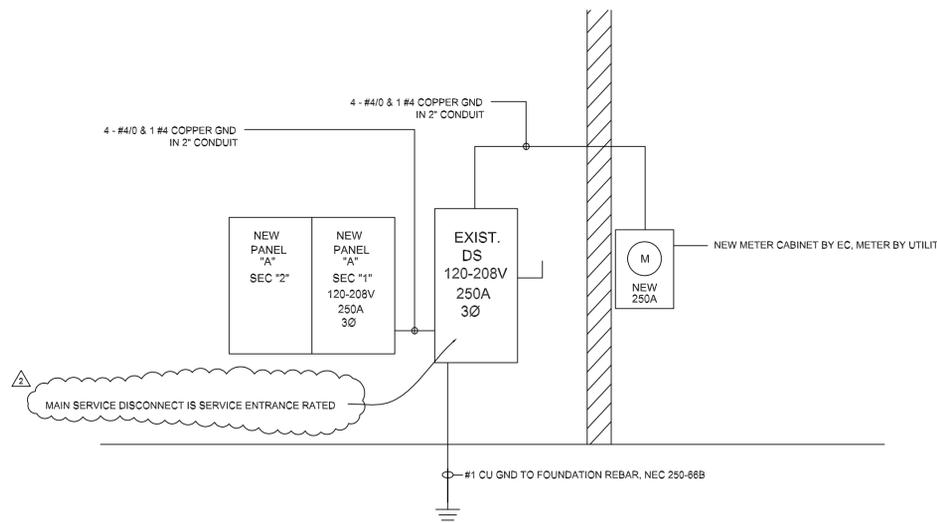
- Type "MC" cable is acceptable alternate. "MC" cable used in the Treatment or Hygiene areas shall be hospital grade with a redundant insulated ground conductor.
- 600 VOLT WIRE AND CABLE
 - Wire and cable shall be 600 volt Type THHW/THHN, 90° C unless otherwise specified, stranded copper conductor, marked with type, gauge and manufacturer at regular intervals. Insulation shall conform to the NEMA Building Wire Specifications for intermediate insulation.
 - Wire sizes indicated on plans or riser diagrams are minimum acceptable sizes. No wire smaller than #12 shall be used and shall be presumed to be #12 unless otherwise indicated. Wire for control circuits may be #14.
 - Insulated grounding wire (green) shall be installed in all conduit runs (feeder, branch circuits, switch legs, etc.) for power and lighting. Size of this "grounding wire" shall be based on data in Table 250-122 of National Electrical Code.
- GROUNDING
 - Conduit systems, panels, etc., shall be rigidly connect to grounding system, in accordance with requirements of the National Electrical Code.
- LIGHTING FIXTURES
 - Contractor shall furnish and install fixtures listed under Lighting Fixture Schedule on drawings or as herein specified complete with required mounting hardware and fittings.
 - Contractor shall bring to attention of Architect, field changes that may affect original operating conditions of lighting fixtures prior to purchasing.
 - Contractor shall check and confirm ceiling construction for mounting details. Make lighting fixtures compatible with ceiling construction and coordinate fixture locations with Architect before releasing fixtures for shipping. Provide additional supports as required to properly support lighting fixtures.
 - Manufacturer's catalog numbers as herein listed indicate details, quality and performance. Fixtures by other manufacturers having equal details, quality and performance may be submitted for Architect's approval.
- Lamps:
 - Fluorescent lamps shall be F32T8 rapid start, SP50, 5000K unless otherwise specified.
 - Lamps shall be General Electric, Philips or Sylvania.
 - Contractor shall furnish and install lamps in fixtures. Lamps shall be burning when completed project is turned over to Owner.
 - All lamps in the "Exam" areas shall be SPX50 as shown on the Lighting Schedule.
- Fluorescent Ballasts:
 - All ballast shall be electronic type, high power factor, with THD equal or less than 10%.
- Acceptable Alternate Fixtures
 - Cooper Lighting and Day-Brite.
- SWITCHES, RECEPTACLES, DISCONNECTS
 - Switches:
 - Contractor shall check door swing for location of switches before rough-in.
 - Mounting height shall be as indicated in Symbol Legend except where shown on the drawings.
 - Contractor shall verify location and mounting heights with Architect before installation.
 - Adjacent devices shall be mounted in ganged boxes.
 - Switches shall be of specification grade of the voltage rating, ampere rating, number of poles, color, as manufactured by Leviton, Pass & Seymour, Brant, Hubbell or Architect's approved equal as herein specified and/or in conformance with Symbol Legend.
 - Receptacles:
 - Receptacles shall be furnish and install in conformance with Symbol Legend on the drawings or as herein specified.
 - Mounting heights shall be as indicated in Symbol Legend except where shown on the drawings.
 - Contractor shall verify location and mounting heights with Architect before installation.
 - Adjacent devices shall be mounted in ganged boxes.
 - Receptacles in all areas shall provide means for grounding portable cord connected equipment.
 - Receptacles shall be of specification grade of the voltage rating, ampere rating, number of poles, color, as manufactured by Leviton, Pass & Seymour, Brant, Hubbell or Architect's approved equal as herein specified and/or in conformance with Symbol Legend.
 - Cover plates for receptacles and switches shall be paintable metal.
- Buck-boost transformers:
 - Check voltage requirements for each vacuum pump and compressor. If 240V is required, install buck-boost transformers.
 - Acme# T-1-81058, 208V-240V, 16.0A (one required per vacuum pump)
 - Acme# T-1-81059, 208V-240V, 23.5A (one required per compressor)

PANEL "A" SECTION 1										MAINS: M.C.B. = 250A		
										VOLTAGE: 120/208V, 3Ø, 4W 60 HZ		
LOAD	W	CB	CCT	VOLT	AMPS	ØA	ØB	ØC	CCT	CB	W	LOAD
RECEPTION LIGHTS	#12	20	1	700	1140				20	20	#12	TR LTS
LIGHTS	#12	20	3	750	800				20	20	#12	CORRIDOR LTS
IT EIF	#12	20	5	300	1000				20	20	#12	RECEPTION RECPTS
RECEPTION RECPTS	#12	20	7	800					20	20	#12	CHECK OUT RECPTS
RECEPTION RECPTS	#12	20	9	1000					20	20	#12	LOGO DED
CHECK IN RECPTS	#12	20	11	1000					20	20	#12	GEN RECPTS
PAN	#10	20	13	1200					20	20	#12	PAN COMP
			15	400					20	20	#12	PAN DED
OFFICE	#12	20	17	1200					20	20	#12	OFFICE
HYG #1	#12	20	19	800					20	20	#12	HYG #2 XRAY
HYG #1/2 CHAIR	#12	20	21	1000					20	20	#12	HYG #2
HYG 1 XRAY	#12	20	23	800					20	20	#12	HYG #3 XRAY
HYG #3/4 CHAIR	#12	20	25	800					20	20	#12	HYG #1-4 GEN
HYG #3	#12	20	27	800					20	20	#12	SURG. RECPTS
HYG #4	#12	20	29	800					20	20	#12	HYG #4 XRAY
SURG RECPTS	#12	20	31	800					20	20	#12	LAB DED
LAB RECPTS	#12	20	33	800					20	20	#12	LAB/GEN RECPTS
LAB DED	#12	20	35	800					20	20	#12	GEN RECPTS
MICROWAVE	#12	20	37	1000					20	20	#12	DISWASHER
BREAKRM RECPTS	#12	20	39	1800					20	20	#12	REF.
I.T.	#12	20	41	1000					20	20	#12	BREAKROOM
DR OFFICE	#12	20	43	800					20	20	#12	HWI
DR OFFICE	#12	20	45	1200					20	20	#12	W/D
GEN RECPTS	#12	20	47	800					20	20	#12	-
GEN RECPTS	#12	20	49	800					20	20	#12	STERI DED
AUTOCLAVE	#12	20	51	800					20	20	#12	STERI RECPTS
AUTOCLAVE	#12	20	53	800					20	20	#12	STERI RECPTS
SUB-TOTAL:				15680	15150	14700			14330	13730	13130	128 AMPS SECTION 1
				120	120	120			120	120	120	TOTAL: 114.5 AMPS SECTION 2
				AMPS:								PANEL TOTAL: 242.5 AMPS

EC TO VERIFY ALL EQUIPMENT REQ'S PRIOR TO ROUGH IN WITH OWNER & DENTAL REP. NOTIFY ARCHITECT AS REQ'D

PANEL "A" SECTION 2										MAINS: M.C.B. = 250A		
										VOLTAGE: 120/208V, 3Ø, 4W 60 HZ		
LOAD	W	CB	CCT	VOLT	AMPS	ØA	ØB	ØC	CCT	CB	W	LOAD
X-RAY	#12	20	55	1000	2350				20	20	#10	RTU-1
X-RAY	#12	20	57	1000	2350				20	20	#10	
X-RAY	#12	20	59	1000	2350				20	20	#10	
X-RAY	#12	20	61	1000	2350				20	20	#10	RTU-2
X-RAY	#12	20	63	1000	2350				20	20	#10	
X-RAY	#12	20	65	1000	2350				20	20	#10	AIR
X-RAY	#12	20	67	1000	2350				20	20	#10	
TR #1 RECPTS	#12	20	69	800	1200				20	20	#10	
TR #1/2 CHAIR	#12	20	71	800	1200				20	20	#10	VAC
TR #2 RECPTS	#12	20	73	800	1200				20	20	#10	
TR #3 RECPTS	#12	20	75	800	1200				20	20	#12	WATER FILTER
TR #1-3 RECPTS	#12	20	77	800	1200				20	20	#12	WATER SOL
MECH. EXHAUST FAN	#12	20	79	400	800				20	20	#12	TR #5-7 CHAIR
TR #3 RECPTS	#12	20	81	800	1200				20	20	#12	TR #5 RECPTS
TR #3/4 CHAIR	#12	20	83	800	1200				20	20	#12	TR #6 RECPTS
TR #7 RECPTS	#12	20	85	800	1200				20	20	#10	VAC
TR #4-7 RECPTS	#12	20	87	800	1200				20	20	#10	
BASEBOARD HEAT	#12	20	89	1000	400				20	20	#12	ROOF RECPTS
-	-	-	91	###	-				20	20	-	-
-	-	-	93	###	-				20	20	-	-
-	-	-	95	###	-				20	20	-	-
-	-	-	97	###	-				20	20	-	-
-	-	-	99	###	-				20	20	-	-
-	-	-	101	###	-				20	20	-	-
-	-	-	103	###	-				20	20	-	-
-	-	-	105	###	-				20	20	-	-
-	-	-	107	###	-				20	20	-	-
SUB-TOTAL:				14330	13730	13130			119.5	114.5	109.5	128 AMPS SECTION 1
				120	120	120			120	120	120	TOTAL: 114.5 AMPS SECTION 2
				AMPS:								PANEL TOTAL: 242.5 AMPS

EC TO VERIFY ALL EQUIPMENT REQ'S PRIOR TO ROUGH IN WITH OWNER & DENTAL REP. NOTIFY ARCHITECT AS REQ'D



ONE LINE DIAGRAM

NTS

REV.	DATE
1	12.09.2025
2	01.06.2026
3	01.20.2026
4	01.29.2026

DS ARCHITECTS
 22082 LORAIN ROAD
 FAIRVIEW PARK, OHIO 44126
 PHONE 26-403-9654 FAX 440-76-8887



LEON S. SAMPAT
 LICENSE# 13053
 EXPIRATION DATE 12/31/2027

TENANT BUILD-OUT FOR:
DR. WHARTON
 1715 W. HIGH ST
 PIQUA, OHIO

JOB NO: 25-190
 DATE: 10.30.2025
 ISSUE: -
 SHEET:

E4.1