

Pure Infusion Suites

Pure Infusion Suites

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation.

Structural plan review is limited to a general survey for code compliance. No review is implied nor was undertaken to verify structural adequacy.

Field Inspection consultation is available upon request. Call 303-739-7420 to request a consultation

Building Proprietary Vendors

Project Team

Designer/Space Planner
 Tenant Planning Services
 1660 Lincoln Street, Suite 100
 Denver, Colorado 80262
 Contact: Gene Summers
 Phone: 303.861.4800
 Direct: 303.861.1621
 Email: gene@tps.design

Building Representative
 CBRE
 701 East Hampden Avenue
 Englewood, CO 80113
 Contact: Carl Holmes
 Phone: 720.41.7581
 Email: carl.holmes@cbre.com

Tenant Representative
 Pure Infusion Suites
 Contact: Quindon Sparks
 Phone: 801.971.8625
 Email: quindon@pureinfusionsuites.com

Mechanical Engineer
 Brian Seyfarth & Associates
 5683 S. Prince Street
 Littleton, Colorado 80120
 Contact: Claudio Fritt
 Phone: 303.787.7772
 Email: claudio@bsefarth.com

Electrical Engineer
 Corey Electrical Engineering
 7822 S. Wheeling Court, Suite B
 Englewood, Colorado 80112
 Contact: Michael Casados
 Phone: 303.389.6594
 Email: mcasados@coreyelect.com



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 Denver, Colorado 80264
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1411 South Potomac
 Suite 310

1411 South Potomac Street
 Aurora, CO 80012



Abbreviations	
Ø	diameter
∅	centerline
A	ampere
A/C	air conditioning
AV	audio/visual
ADA	Americans with Disabilities Act
AFF	above finished floor
alt.	alternate
amp	ampere
approx	approximately
C	conduit
CKT	circuit
cg	ceiling
cl	clear
const.	construction
d	depth
dia	diameter
dim.	dimension
DW	down
dw	down
EW	existing (device or fixture to remain)
Elev.	elevator
eq.	equal
EW	electric water cooler
EW/H	electric water heater
F.D.	floor drain
F.E.	fire extinguisher
FIA	fire alarm
FEC	fire extinguisher cabinet
FHC	fire hose connection
fn.	finish or finished
ga.	gauge
gyp. bd.	gypsum board
h.	height
H.C.	hollow core
H.M.	hollow metal
HVAC	heating, ventilating, air conditioning
I.F.	inside face
I.T.	information technology
Jan.	janitor(s) janitorial
J-Box	junction box
L	length
lft.	manufactured
ml	millimeter
min.	minimum (or minute per context)
mm	millimeter
mw	microwave
N	new (device or fixture)
N/C	not in contract
nom.	nominal
N/S	not to scale
o.c.	on center
O.H.	opposite hand
oc.	ounces
P.Lam.	plastic laminate
R.O.	relocated (device or fixture)
R.O.	rough opening
Re	refer to
reqt.	required
RIA	return air
RM	room
RSF	Rentable Square Feet
S.C.	solid core
S.M.	surface mounted
S.SA	stainless steel
SIA	supply air
SDT	static dissipative tile
SF	square feet
sim.	similar
sq.yd.	square yard
std.	standard
T.O.	throughout
TBD	to be determined
th.	thickness
typ.	typical
U.L.	Underwriters Laboratory
UNO	unless noted otherwise
USF	Usable Square Feet
V.	volt
VCT	vinyl composition tile
VF	vent
w.	width
W.S.	work station
WC	walkover
WF	water fountain

Reference Symbols	
◇	Keyed Note
□	Wall Tag
⊕	Center Line
⊕	Detail Reference
⊕	Detail Number Sheet Reference
⊕	Section Reference
⊕	Section Number Sheet Reference
⊕	Elevation Reference
⊕	Elevation Number Sheet Reference
⊕	Door Reference Tag, refer to Door Schedule
PL	Plastic Laminate Reference, Refer to Finish Treatment Schedule
PI	Wall Treatment Reference, Refer to Finish Treatment Schedule
CT	Floor Treatments Reference, Refer to Finish Treatment Schedule

General Notes

- GENERAL STANDARDS:** All work defined herein shall be constructed in accordance with the approved drawings and specifications and shall be in compliance with all applicable codes, ordinances, and regulations. Work performed in the shop or on-site shall be performed by mechanics, craftsmen and workers skilled and experienced in the fabrication and installation of the work involved. The work shall be performed in accordance with the best established practices of the industry standard for the trade involved.
- FEES AND PERMITS:** The General Contractor shall obtain all licenses and permits required by the jurisdiction and/or its agencies, not withstanding licenses and permits that may be required of respective subcontractors. The cost of said licenses and permits shall be incurred by that contractor responsible for the procurement of same.
- DRAWINGS AND SPECIFICATIONS:** The General Contractor shall maintain a complete and current set of project drawings and specifications on the job site at all times and shall include all approved shop drawings and submittals. The General Contractor shall be responsible for distribution of adequate copies of all drawings and specifications to all applicable trades. Upon completion of the work, the General Contractor shall submit one complete set of re-issued drawings to TPS indicating any and all changes, omissions, or modifications made.
- ENGINEERED DRAWINGS:** Refer to structural, mechanical, electrical and plumbing drawings (when provided) for detailed design of the structural, mechanical, electrical, and plumbing systems. Portions of this work may be shown on the architectural drawings for reference to, and in coordination with, other work.
- When indicated on the drawings, the General Contractor shall provide engineering drawings on a design/build basis for mechanical systems, electrical systems and plumbing. Provide one copy of all drawings to TPS for review prior to construction.
- The General Contractor is responsible for required permits and approvals necessary for the work as described above. Precedence: the architectural drawings shall precede the engineered drawings (if provided) relative to device and fixture locations.
- OMISSIONS AND DISCREPANCIES:** The General Contractor shall field verify all conditions and dimensions shown on the drawings, and shall notify TPS of any discrepancies, omissions or conflicts prior to commencing with construction.
- MATERIALS:** Unless otherwise specified, all materials shall be new, unused, and in compliance with the specifications set forth in these documents. All materials used throughout the project shall be of the same brand name and quality for consistency. All materials must meet the ASTM and ANSI standards and be in compliance with all applicable codes, ordinances and regulations. Unless authorized in writing by the owner or its representative, no existing fixture, device or component shall be removed from adjacent areas or buildings to facilitate this project.
- MATERIAL INVENTORY:** Upon award of the construction contract, and when building materials are stocked and made available for the project, coordinate with the Building Representative for purchase of materials. All materials shall be bid as if new. Do not assume use of materials from building stock.
- SUBMITTALS/DEVIATIONS:** No substitutions, variations and deviations from these documents shall be permitted without prior approval of TPS, the Building and/or Tenant's Representative. Application for any substitutions and/or variations shall be submitted to TPS by the General Contractor for approval. Application shall be made in writing accompanied with product specifications and/or samples. Five complete sets of submittals are required.
- SHOP DRAWINGS:** When requested on the drawings, the General Contractor shall prepare, review, approve and submit shop drawings to TPS. The General Contractor shall check and confirm all product data and samples and verify all materials, field measurements and related field construction criteria contained in such submittals conform to the requirements of the work, and the contract documents. Five complete sets of submittals are required.
- SUBCONTRACTORS:** The General Contractor shall coordinate and review the work of all subcontractors, trades and suppliers, and to make known all requirements of the contract documents, and to assure that all parties are fully aware of the requirements, regardless of whether the requirements occur in the contract documents, which might affect the work of that party. Subcontractors shall conform to the following:
 - Subcontractors shall coordinate all installations, schedules, decisions, sizes, and resolve all conflicts and interferences of their trade with other trades.
 - Subcontractors shall be responsible for coordinating routes of water, sprinkler, mechanical and electrical services.
 - Light fixtures/ fittings, diffusers/ ducts, sprinkler heads, etc. as depicted on the drawings, both above and below the ceiling, which conflict with any existing services shall be repositioned immediately when it becomes apparent that a conflict will prevail. All costs incurred by the General Contractor or other subcontractors for failure to reposition conflicts immediately shall be borne by the contractor.
- TENANT VENDORS:** The General Contractor shall be responsible for coordinating with the Tenant and the Tenant's vendors for scheduling and providing access to the space for the Tenant's movable partition systems, communications/ data processing systems, security systems, and audio/ video systems.
- INSPECTIONS:** The General Contractor shall permit and facilitate inspection, by the owner and the architect or their representatives, during the course of construction.
- TENANT RESPONSIBILITIES:** Unless specified otherwise in the contract documents, the following items are not part of these drawings and if so desired shall be provided by the Tenant.
 - Furnishings, files and accessories
 - Portable or movable office partitions
 - Racks, bins, prefabricated shelving systems
 - Coffee makers, microwaves, refrigerators, vending machines
 - Copier/ fax equipment and computer equipment
 - Security systems, sound systems, intercom systems
 - Telephone equipment including wiring/cabling
 - Clocks, time clocks
 - Connection of all equipment, furnishings and panels
 - Moving or relocation of Tenant's furnishings, fixtures, and equipment
 - Schedule and coordination of Tenant vendors
- PROTECTION:** The General Contractor shall protect the work, adjacent space/property, common areas, public utilities, and the public, and shall be responsible for any damage or injury due to neglect. Protection shall include but not be limited to the following:
 - Draw window coverings and wrap or bag with plastic for dust protection.
 - Provide plywood or masonite floor protection with tape sealed joints completely along routes used for delivery and removal of materials.
 - Provide and/or use protective pads at designated freight elevator cab walls and around openings.
 - When necessary, wrap the floor slab to confirm locations of objects embedded in the concrete prior to making any penetrations in the slab.
- DAMAGES:** Should the General Contractor or any associated subcontractor cause damage to any adjacent future or structure while completing or cleaning current construction, that contractor or subcontractor shall be responsible for repair or replacement of said damaged future or structure.
- INSURANCE:** The General Contractor shall purchase and maintain certifications of insurance with respect to workers compensation, public liability and property damage for the limits as required by law. The certificates shall name the client and Tenant Planning Services, Inc. as additional insured. The General Contractor and subcontractors performing work on-site shall conform to the Landlord's insurance requirements.
- GUARANTEE/WARRANTY:** The General Contractor shall enforce a specific and unconditional warranty on all materials, workmanship, equipment, fixtures and sub-assemblies subject to normal use and maintenance for a period not to exceed one (1) year from date of substantial completion. Said warranty shall not be exclusive of implied or specific warranties enforced by manufacturers and/or suppliers of aforementioned materials, equipment, fixtures and/or sub-assemblies.
- SECURITY:** The General Contractor shall be responsible for securing and controlling access to the job site during construction and for disconnecting power and lighting when not in use.
- INTERRUPTION OF SERVICES:** All work requiring dangerous, toxic, or noisy operations and installations which might affect the operation of the existing tenants shall be performed during non-business hours. Coordinate with Building Management.
- HAZARDOUS MATERIALS:** TPS has no knowledge of, and shall not be held liable for, any asbestos or other hazardous materials located on the project site. Prior to commencing with the work on-site, it shall be the responsibility of the General Contractor to inspect and make a good faith effort to identify the presence of asbestos, toxic or other hazardous materials. Should hazardous materials be discovered at any time before or during construction, stop the work immediately and report to the Building Management for further instructions before proceeding.
- BUILDING RULES AND REGULATIONS:** The General Contractor shall be responsible for consulting with the Building Representative for rules and regulations governing the building and pertaining to deliveries, removal of materials and debris, use of building facilities, noise restrictions, protection of existing conditions, hours of operation, building access, etc.

PLAN CHANGES WILL REQUIRE AN APPROVED REVISION BEFORE INSPECTION CAN BE APPROVED

Must be available on jobsite for Inspections and printed in color full size.

22. CLEANING: The General Contractor shall clean the job site and adjoining areas during construction and upon completion. Cleaning includes, but is not limited to, vacuuming carpeting, wet mopping floor tile and other resilient flooring, cleaning all glass, including interior side of exterior glazing, dusting and wiping clean all lint and soiled areas on doors, millwork, window coverings, baseboard, etc.; removing construction debris, scraps, materials and equipment; and water seal all marble, granite and ceramic tile and grout.

23. FIRE RESISTIVE STANDARDS: Conform to the following:

- Materials and assemblies required by fire resistive shall bear a label affixed to the product indicating fire resistive rating and testing agency with approved test certification number
- All blocking and nail strips used in connection with fire resistive partitions shall be fire retardant wood as defined by the Building Code
- All concealed wood shall be treated with an approved fire retardant.
- Fire ratings of existing materials and/or systems which may become damaged or modified due to the work shall be maintained with a fire rating equal to or greater than the existing rating.
- All pipe and conduit penetrations in fire rated partitions and floors/ceilings shall be sealed in accordance with a U.L. listed "fire stop" compatible with the material and fire rating required.
- Flame-spread, minimum ratings for flame spread shall be as follows:
 - Enclosed vertical exit ways: Class I (0-25 F.S.I.)
 - Other exit ways: Class II (26-75 F.S.I.)
 - Rooms or areas: Class III (76-200 F.S.I.)

24. ARCHITECTURAL WOODWORK: Provide architectural woodwork as specified on the drawings. The "quality standards" of the architectural woodwork institute shall apply and hereby made a part of this document. All prefabricated work shall be economy grade. All other work shall be custom grade as defined by the quality standards of the AIA, unless noted otherwise.

25. SURFACE PREPARATION: Inspect existing conditions of all floor and wall surfaces for voids, holes, cracks, and other damages and make repairs. Grind and/or fill imperfections, fill holes, cracks, and other damages prior to installation. The General Contractor shall provide budget for floor prep as required. The General Contractor shall provide RFI and/or test for any concrete locations less than one year old and for all slab on grade (regardless of age) locations.

26. CLEARANCES: The General Contractor shall verify ceiling height and clearances above ceiling to the underside of structure above for installation of ductwork and diffusers; conduits and junction boxes; fire sprinkler pipes and heads; and light fixtures. All work shall be coordinated by all trades to avoid interference with methods of installation. Notify TPS of conflicts immediately and prior to commencing with construction.

27. FIRE SPRINKLER SYSTEM: In buildings equipped with fire sprinkler systems, furnish all labor, materials, fixtures, trim, equipment and services necessary for the installation of a complete and properly functioning fire sprinkler system. All work shall conform to the following:

- Relocate and/or add fire sprinkler heads as required for new conditions as shown on the drawings.
- Rework and/or add to existing pipes, fittings, hangers and support as necessary for new sprinkler head locations.
- Design standards, materials and workmanship shall be compatible with existing conditions.
- Install new sprinkler head locations in the center of the ceiling board or section and symmetrical throughout rooms and open areas.

28. FIRE EXTINGUISHERS: Provide portable, wall mounted fire extinguishers every 75' of exit travel distance throughout limit of construction or as required by the local fire department or life safety department. Portable fire extinguishers shall comply with International Building Code (IBC) Chapter 9.

29. PLUMBING SYSTEM: Furnish all labor, materials, fixtures, trim, equipment and services necessary for the installation of a complete and properly functioning plumbing system. All work shall conform to the following:

- Refer to drawings for specific information pertaining to materials, fixtures, etc. scheduled as new and not contained herein.
- Re-use existing plumbing piping and/or fixtures and components where possible. Inspect and confirm existing conditions are within specifications.
- New materials shall be compatible with existing conditions, where possible.
- Provide fixtures with all anchors, supports, traps and trim, for a complete installation.
- Provide stop valves on all hot and cold water connections to fixtures.
- Caulk around all fixtures with silicone based caulking compound.
- Install all fixtures level and square with surrounding end-cases.
- Install escutcheons for all pipes exposed to view passing through walls, floors and ceilings.
- Provide templates or cut-outs of fixtures to the millwork subcontractor for cutting of openings.
- All materials and workmanship shall be in compliance with state and local codes and ordinances, and the Americans with Disabilities Act (ADA).

30. HVAC SYSTEM: Furnish all labor, materials, fixtures, trim, equipment and services necessary for the installation of a complete and properly functioning HVAC system. All work shall conform to the following:

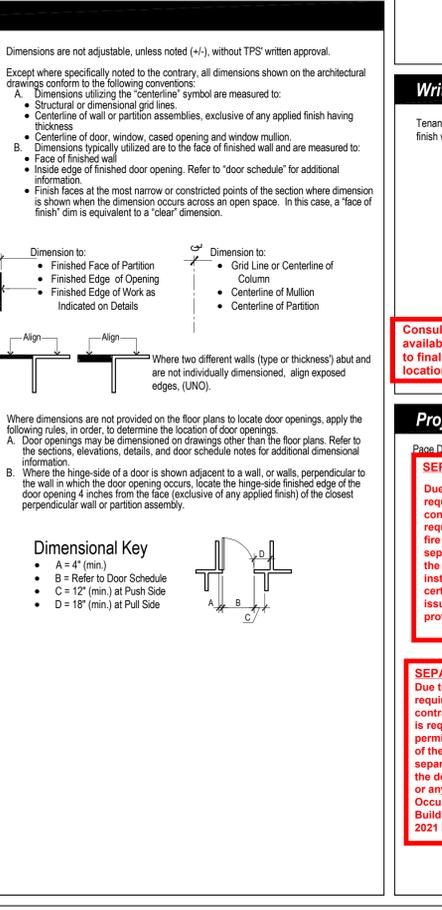
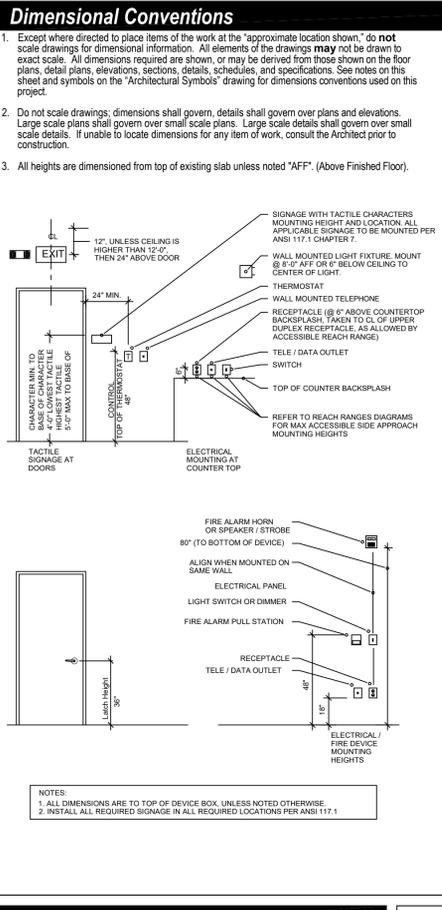
- Standards: all standards and specifications established in the base building construction documents, or as evidenced in the existing conditions of construction shall govern, unless noted otherwise. All work shall be coordinated with the building maintenance manager. Refer to base building construction documents and specifications and existing conditions of system for equipment or materials not specified on the engineered drawings or contained herein. All materials and workmanship shall be in compliance with ASHRAE and SMACNA, state and local codes and ordinances, and the Americans with Disabilities Act (ADA).
- Repairs and replacement: the contractor shall verify proper operation of existing ductwork for breaks and leaks. In the event that the contractor has observed system failure or defects, notify the Owner's construction manager immediately for further direction. For bid purposes, it shall be assumed that all HVAC equipment and associated ductwork and components are in proper operating condition. Repairs or replacement of materials and workmanship shall be performed as a separate portion of the work.
- Abandoned equipment: all abandoned HVAC equipment and components within the area of construction shall be removed and all duct connections patched, capped and/or sealed.
- Fire dampers shall be installed in all ducts which penetrate fire resistive partitions (one-hour rated and above). Fire dampers shall be 100% fire area design.
- Return air plenum: allow for transfer of air above Tenant demising partitions and spaces continuously and unobstructed to the building systems return air shaft. Refer to engineered drawings (if provided) and detailed drawings for wall construction and opening size. During construction, the contractor shall place temporary filters over openings to the return air shaft. Remove filters upon completion of construction. Coordinate this work with the building maintenance manager.
- Thermostats: locate thermostats so as not to interfere with the occupants' furnishings and systems, avoiding locations in the middle of walls, in traffic areas, in frequently rooms, etc.
- Air testing, adjusting, and balancing: adjust and balance terminal units, diffusers, dampers and registers to provide design condition air flow or to the air quantities shown on the drawings (if provided). Balance work shall be performed in accordance with NEBS standards by a certified contractor. Submit a balancing report to TPS, Structure and adjust all thermostats.

31. FIRE/SMOKE ALARM SYSTEMS: In buildings equipped with fire and/or smoke alarm systems, furnish all labor, materials, fixtures, trim, equipment and services necessary for the installation of a complete and properly functioning fire/smoke alarm system. All work shall conform to the following:

- Relocate and/or add fire alarms, smoke or heat detectors, strobe alarms, pull stations, remote indicator lights and other components of the system as required for new conditions of the space.
- Rework systems to be compatible with existing design standards and conditions.
- Locations and specifications of alarms shall comply with the Americans with Disabilities Act (ADA).

32. ELECTRICAL SYSTEM: Furnish all labor, materials, fixtures, trim, equipment and services necessary for the installation of a complete and properly functioning electrical system. All work shall conform to the following:

- Standards: all standards and specifications established in the base building construction documents, or as evidenced in the existing conditions of construction shall govern, unless noted otherwise. All work shall be coordinated with the building maintenance manager. Refer to base building construction documents and specifications and existing conditions of system for equipment or materials not specified on the engineered drawings or contained herein.
- All materials and workmanship shall be in compliance with the national electric code (NEC), state and local codes and ordinances, and the Americans with Disabilities Act (ADA).
- Repairs and replacement: the contractor shall verify proper operation of existing panels and switch-gear. In the event that the contractor has observed system failure or defects, notify the Owner's construction manager immediately for further direction. For bid purposes, it shall be assumed that all equipment and associated components are in proper operating condition. Repairs or replacement of materials and workmanship shall be performed as a separate portion of the work.
- Panel: provide new typed panel circuit directory for each panel affected.



Written Scope of Work

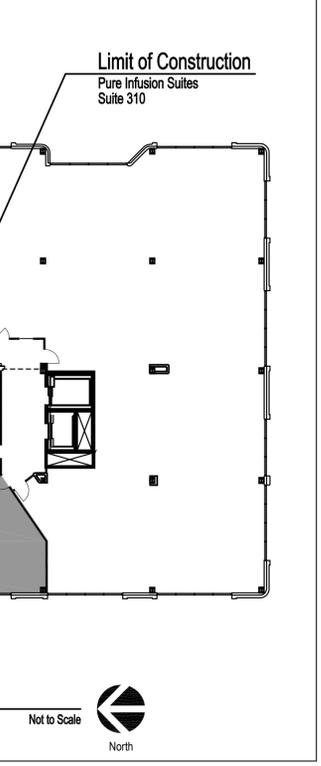
Tenant finish project inclusive of demolition, framing, HVAC, electrical, plumbing and finish work. No structural work.

Project Alternates

Pages D1.0 and A2.0

SEPARATE FIRE ALARM PERMIT REQUIRED:
 Due to the proposed work the general contractor is required to obtain the services of a fire alarm contractor to determine if a separate fire alarm permit is required. If it is determined that the spacing of the fire alarm devices is not in compliance, then a separate fire alarm permit is required. Approval of the documents is required prior to system installation or any request for inspection. A certificate of occupancy or final approval cannot be issued by the Building Division without this fire protection system. 2015 IFC, Section 105.7.6.

SEPARATE FIRE SPRINKLER PERMIT REQUIRED:
 Due to the proposed work the general contractor is required to obtain the services of a fire sprinkler contractor to determine if a separate fire sprinkler permit is required. If it is determined that the spacing of the fire sprinkler heads is not in compliance, then a separate fire sprinkler permit is required. Approval of the documents is required prior to system installation or any request for inspection. A certificate of occupancy or final approval cannot be issued by the Building Division without this fire protection system. 2021 IFC, Section 105.6.1.



Drawing List

A0.0	Cover Sheet
A0.1	Egress Plan
D1.0	Demolition Plan
A1.0	Construction Plan
A2.0	Reflected Ceiling Plan
A3.0	Finish Treatment Plan
A4.0	Millwork Elevations
M1.1	Mechanical Plan and Notes
P1.0	Plumbing Notes and Schedule
P1.1	Plumbing Plan and Notes
E.0	General Notes
E.1	Demolition Plan
E.2	Electrical Plans
E.3	One-Line Diagram/ Schedules
E.4	Comcheck

Approvals

Construction Document Approval

Construction work shall not proceed until the Owner and the intended occupant have given approval to these Construction Documents. Approval by these parties shall be interpreted as approval of the drawings for content, scope of work, and all dimensions regarded by either party as being necessary to their operations, use of the space, furnishings, equipment installation, and any agreements between the Owner and the intended occupant.

Construction and/or initiation of construction authorized by the Owner from these Construction Documents, shall be interpreted by the Designer as approval in full of these Construction Documents by both the Owner and intended occupant.

Approved - No Exceptions Taken
 Approved As Noted
 Approved As Noted - Resubmit
 Revised And Resubmit

Signature: _____ Date: _____

Dates of Record

Project Start Date: **17 Mar 2022**

Issued On: **11 Jul 2022** Issued For: **Tenant Review & Approval; and Construction**

Project # **426018** Prep By **GBS** Designed By **JC** Checked By **GBS**

A0.0

1 of 15



City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: Kirk Nagle
Date: Jul 28, 2022
2015 INTERNATIONAL CODES & 2020 NEC

Life Safety Legend	
	Room Number
	Overall Diagonal
	Exit Separation
	Common Path Of Egress

Room Schedule			
100	Waiting	107	Treatment
101	Reception	108	Treatment
102	Tenant Hallway	109	Treatment
103	Guest Lounge	110	---
104	ADA Restroom	111	Treatment
105	MA Station	112	Break
106	Med Storage	113	Treatment
		114	Storage Closet

Codes and Regulations				
Building Profile				
City/ County:	Aurora / Arapahoe County			
Fire District:	City of Aurora Fire Rescue			
Construction Classification:	II-B			
Building Height / Levels:	Unknown / 4 Stories			
Automatic Sprinklers Throughout				
Use and Occupancy				
Occupant Name:	Pure Infusion Suites			
Occupant Use:	General Business Office			
Occupancy Classification:	Business Group B			
Tenant Area				
Total	Existing Expansion			
(approx.) Useable SF:	1,676			
Applicable Codes				
City of Aurora				
2021 IBC	(International Building Code) with Amendments			
2021 IEBC	(International Existing Building Code)			
2021 IPC	(International Plumbing Code)			
2021 IMC	(International Mechanical Code)			
2021 IFC	(International Fire Code)			
2021 IECC	(International Energy Conservation Code)			
2020 NEC	(National Electric Code)			
2009 ICC/ANSI A117.1	Accessibility Standard			
Interpretations				
Occupancy Load Analysis				
Rooms	Function Per Table	Floor Area (SF)	Floor Area (SF/Occ)	Number of Occupants
Business	1676	+150 gross =	12	
Storage Room 106	Accessory storage	56	+ 300 =	1
IT Closet 114	storage		(gross)	
Waiting 100	Assembly: unseated	236	+ 15 =	16
			(net)	
				TOTAL: 29
Means of Egress				
	Required	Provided		
Egress Width:	min: 34"	68"		
Number of Exits:	min: 1	2		
Common Path of Travel:	max: 100'	36'-6"		
Exit Access Travel Distance:	max: 300'	86"		



1 Egress Plan
Level Three
Scale: 3/32" = 1'-0"
North

This plan was reviewed for adopted codes and NOT for compliance with ADA or FHA accessibility requirements. Contact 800-949-4232 (ADA) and 303-894-7822 x 325 (FHA) for federal accessibility requirements that apply to your project.

1411 South Potomac • Pure Infusion Suites

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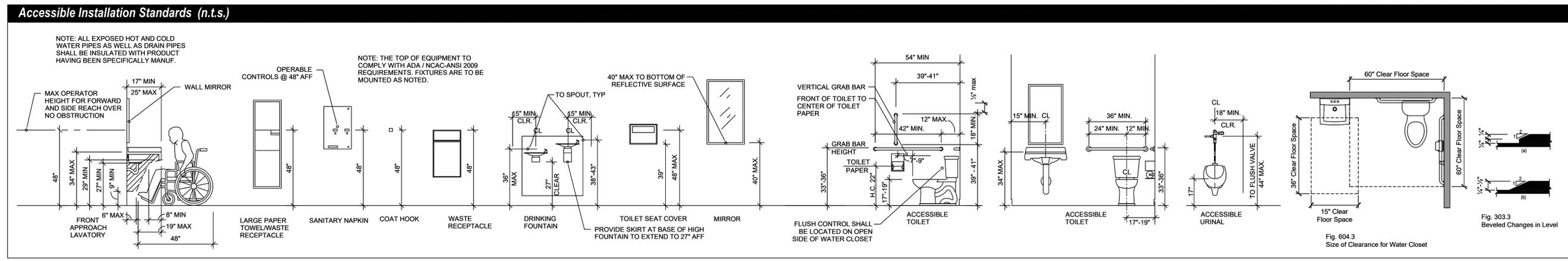
1411 South Potomac
1411 South Potomac Street
Aurora, CO 80012
Suite 310



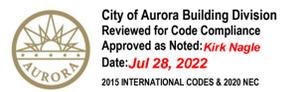
Pure Infusion Suites

Dates of Record
Project Start Date: 17 Mar 2022

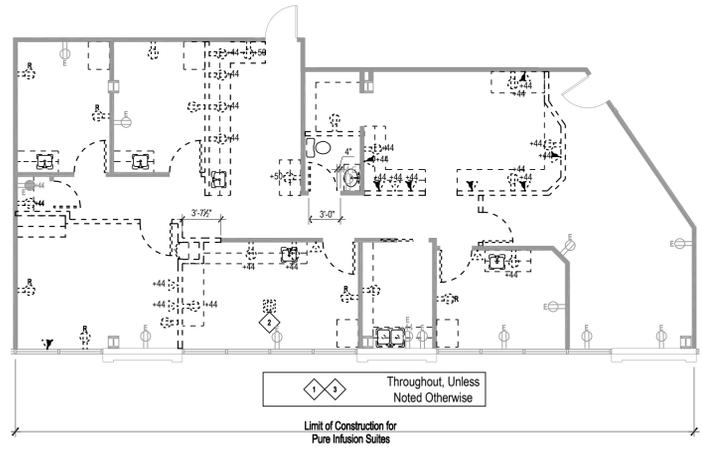
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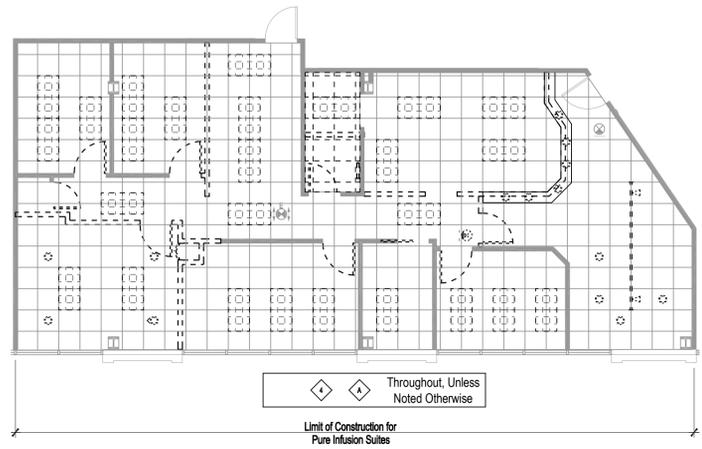
Sheet	Contents	Project #	Fig. No.	Designed by	Checked by	Checked by
426018	Egress Plan	GBS	JC	JC	GBS	



- ### Demolition Plan Notes
1. Refer to General Notes for additional requirements.
 2. **GENERAL DEMOLITION:** Demolish and remove all partitions, materials, and debris as shown on the drawings or specified otherwise herein. Removal as described shall be accomplished without storing excessive quantities of any material, rubbish, dirt, debris or waste of any kind within this demised area of construction or adjacent areas.
 3. **FINISH TREATMENTS** scheduled to be removed are as follows: carpet, resilient flooring, base trim, wall treatments.
 4. **DISPOSAL:** All existing equipment, materials and fixtures not scheduled for re-use shall remain the property of the Owner. Coordinate with the Building Representative and comply with all regulations and/or requirements pertaining to removal, salvage and storage of materials demolished as scheduled.
 5. **RE-USE:** Investigate condition of all materials scheduled for demolition and not re-used on this project. Document characteristics of each material or component and submit inventory statement to Building Representative. Include characteristics such as type, color, size, quantity, physical condition and make/model number, if possible.
 6. **CLEAN AND REPAIR:** Verify condition of all materials scheduled for demolition and re-use where possible. Clean and/or repair materials as needed.
 7. **PREPARATION:** Unless otherwise specified, remove all existing wall coverings, floor coverings and baseboard throughout and prepare existing surfaces for new finish treatments as scheduled. The Demolition Contractor shall scrape existing adhesives to a smooth condition. Refer to finish plans and/or schedules.
 8. **PATCHING:** Remove all unused sleeves through the floor slab and fill/patch all penetrations.
 9. **ELECTRICAL DEMOLITION:** Existing electrical and communications/ data wiring within partitions, raceways or above the ceiling and not scheduled for re-use shall be removed entirely, including hangers, supports, terminals, conduit and junctions from source to point of termination. Maintain circuit and/or transmission continuity to remaining devices, where necessary.
 10. **PIPES AND CONDUITS:** All pipes and conduit in partitions scheduled for demolition shall be removed entirely when not scheduled for re-use.
 11. **ABANDONED APPARATUS:** Abandoned electrical circuits, fixtures and devices discovered by the contractor and not scheduled for re-use shall be reported to the Building Representative for further direction.
 12. **TELEPHONE/DATA REMOVAL:** Unless otherwise indicated on the drawings, remove all existing telephone equipment and/or components not currently in use.



1 Demolition Plan
Suite 310
Scale: 1/8" = 1'-0"
North



2 Demolition Ceiling Plan
Suite 310
Scale: 1/8" = 1'-0"
North

- ### Sheet Keyed Notes
- ◊ DEMO EXISTING MILLWORK at this location. Return partitions to "like new" condition and prep for finishes as scheduled.
 - ◊ DEMO FLOOR DEVICE. Remove floor mounted power/communications device from existing core drill. Fill, patch smooth and level and provide fire-safety in core drill as required to maintain floor slab fire rating. Prepare patch to receive the scheduled floorcovering.
 - ◊ REPLACE ALL EXISTING ELECTRICAL DEVICES AND SWITCHES TO WHITE.
 - ◊ EXISTING CEILING to remain. The suspended grid and acoustical ceiling system shall remain throughout (UNO). Restore existing ceiling grid to "like new" conditions as possible. Repair, replace and/or provide new grid and/or tiles as necessary. Match existing specifications.

- ### Alternate Keyed Notes
- ◊ In Lieu of Existing ceiling to remain. REMOVE SUSPENDED CEILING grid and the system throughout Limit of Construction (UNO).

- ### Symbol Legend
- DEMO EXISTING: Partitions, door assemblies, electrical devices and/or millwork to be demolished/ removed (typ.). Return all millwork/ fixtures and/or door assemblies, not re-used in this limit of construction, to Building Management. Patch partitions and prepare to receive the scheduled finish treatments.
- NOTE: At exterior curtain wall sill partitions (only), where power/ phone/ data devices are designated to be removed/ demolished, all conduit and J-boxes shall remain. Provide building standard blank face plates. All demolition of power/ phone/ data devices at interior partitions shall include removal of all associated conduit and J-boxes and patching/ painting of partitions.
- EXISTING PARTITION TO REMAIN.
 - EXISTING PARTIAL HEIGHT PARTITION to remain.
 - NEW PARTIAL HEIGHT PARTITION. 5/8" gypsum board each side of 20 Gauge, 3/8" metal studs at 24" o.c. with wood top at 42"/84" AFF and 1" painted reveal.
 - NEW SOUND ATTENUATED PARTITION. Non-rated assembly. 2x gage, 3-5/8" metal studs at 24" o.c. with 5/8" gypsum board each side and 3-5/8" fiberglass sound attenuation batts floor to finished ceiling. Match Building Standard.
 - NEW FURRING PARTITION. Non-rated assembly. 2x gage, 3-5/8" metal studs at 24" o.c. with 5/8" gypsum board one side. Match Building Standard.
- Match existing construction. Field verify existing construction for extent of work and verify match to these partition types.

- ### Wall Mounted Fixtures/ Devices
- ⊕ Duplex electrical receptacle & face plate
 - ⊕ Quadplex electrical receptacle & face plate
 - ⊕ Combination telephony/ data outlet rough-in (3/4"Ø conduit) w/ double gang J-box and single gang plaster ring with pull string to above finished ceiling.
 - ⊕ Existing J-box. Provide blank face plate
 - ⊕ Recessed "clock type" double gang junction box with duplex receptacle and data outlet for television connection. Coordinate with Tenant's Vendor for required specifications.
- ### Floor Mounted Devices
- ⊕ Flush in-slab electrical duplex receptacle rough-in

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1411 South Potomac
1411 South Potomac Street
Aurora, CO 80012
Suite 310



Pure Infusion Suites

Dates of Record
Project Start Date: 17 Mar 2022
Issued On: Issued For:
11 Jul 2022 Tenant Review & Approval; and Construction

Sheet	Demolition Plan
Contents	Demolition Ceiling Plan
Revised	By/Rev
4/28/16	GBS/JC

1411 South Potomac • Pure Infusion Suites

project start date: 17 Mar 2022
drawing created: 7/11/2022 8:43:18 AM
drawing saved: 7/19/2022 9:17:35 AM
plot created: 7/19/2022 5:27:01 PM
by: John A. P. #26, 1411 South Potomac/42801, Pure Infusion #310/Downing/4-CDH/42801bc.dwg
by John Chenetos (p)outlet.dwg, D1.0

Construction Plan Notes

- Refer to General Notes for additional requirements.
- DOOR ASSEMBLIES:**
 - All assemblies shown on the drawings and not referenced to the Door Schedule are existing to remain (unless noted otherwise).
 - Inspect, make repairs to, and clean ALL existing assemblies and components to like new conditions. Re-use existing door assemblies and/or components where possible.
 - Provide new door assemblies and/or components as specified on the drawings. Door frames shall be securely fastened in place and the entire assembly shall be installed plumb and square with maximum diagonal distortion of 1/8". Undercut doors as needed for specified floor coverings.
- INSULATION and ATTENUATION:** Provide insulation or sound attenuation in walls and above suspended ceiling if indicated on the drawings. Specifications shall conform to the following:
 - Sound attenuation in walls shall be unfaced fiberglass, 16" to 24" wide to correspond with stud width.
 - Thermal insulation in walls shall be Kraft faced fiberglass, 16" to 24" wide, with R-13 thermal value.
 - Sound attenuation in ceilings shall be foil faced fiberglass, 24" wide, acceptable for use in return air plenums.
- BACKING/BLOCKING:** Provide solid wood blocking in partitions for plumbing fixtures, door stops, wall mounted equipment (including televisions), millwork, etc., and as indicated on the drawings. Plywood backing may be used for shelving. Framing material for blocking, nailers, etc. shall be Western Douglas Fir or Hemlock.
- PARTITIONS:** Conform to the following:
 - Partitions shall be erected plumb and true.
 - Drywall partitions and joints shall be taped and finished smooth and prepared for specified finish treatment. Coat vertical joints from floor to ceiling for additional substrate to the base trim.
 - Skim coat existing partitions as needed.
 - All exposed corners shall be fitted with metal corner bead and top of walls at underside of suspended ceilings shall be straight and true.
 - Provide "kickers" or metal stud support from the top of the partition to the underside of structure above for long runs and at all jambs of openings for door assemblies and at any glazed opening within 36" of the strike side of swinging doors.
- EXISTING LIFE SAFETY SYSTEMS:** Modify (fire alarm/smoke detection) on a **DESIGN-BUILD** basis. Conform to these drawings and documents and as required for obtaining a building permit. Refer to General Notes.

Wall Legend

EXISTING PARTITION to remain.

NEW PARTIAL HEIGHT PARTITION (Shown underneath a millwork surface), 5/8" gypsum board each side of 20 Gauge, 3 1/2" metal studs at 24" o.c. Refer to Millwork Section Detail.

Re: W1

NEW SOUND ATTENUATED PARTITION Non-rated assembly, 25 gauge, 3-5/8" metal studs at 24" o.c. with 5/8" gypsum board each side to 6" above finished ceiling and 3-3/8" fiberglass sound attenuation batts floor to 6" above ceiling. Match Building Standard.

Re: W2

Match existing construction. Field verify existing construction for extent of work and verify match to these partition types.

Door Schedule

Mark	State	Type	DOOR			FRAME			HARDWARE		Remarks	Mark	
			Leaf Size	Material	Finish	FRR ¹	Material	Finish	FRR ¹	Latch F, J, U, C			Additional Components
001	E	Fre	3'-0" x 7'-0" x 1 3/4"	S.C.Wood	Stained	None	H.M.	H.M.	None	2	Cl, Hm	--	001
002	N	Fre	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Painted	None	Timely	Painted	None	1	--	--	002
003	E	Pk	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Painted	None	Timely	Painted	None	1	Etr	--	003
004	N	Fre	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Painted	None	Timely	Painted	None	1	--	--	004
005	N	Fre	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Painted	None	Timely	Painted	None	1	--	--	005
006	N	Fre	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Painted	None	Timely	Painted	None	1	--	--	006
007	N	2Bi	4 @ 1'-3" x 6'-8" x 1 3/4"	S.C.Wood	Painted	None	Timely	Painted	None	1	Bi Fold Door	--	007
008	N	Fre	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Painted	None	Timely	Painted	None	1	--	--	008
009	N	Pk	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Painted	None	Timely	Painted	None	4	Pocket	--	009
010	N	Fl	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Painted	None	Timely	Painted	None	3	--	--	010
011	E	Fl	3'-0" x 7'-0" x 1 3/4"	S.C.Wood	Stained	None	H.M.	H.M.	45 Min	2	Cl	--	011

The General Contractor shall field verify that all door and hardware specifications match Building Standards (unless noted otherwise) and coordinate ANY AND ALL discrepancies directly with the TPS representative (as indicated on the cover sheet Project Team list) prior to proceeding. This includes, but is not limited to, species, stain, finish, style, function, part/ product numbers, and design specifications as well as extent of inclusions / exclusions to component lists and the like.

Opening force for all doors shall comply with IBC. Threshold: Maximum heights for thresholds shall comply with IBC. Glass: All full height glass doors and glass inserts shall comply with ANSI A04.2.9 and IBC.

¹ State: E = Existing to remain. Assure proper working condition. N = Provide New Door, Frame or Hardware in its entirety.

² Rating: Minimum Fire-resistive Rating (per IUL) required in minutes.

Door, Frame, and Hardware Specifications

Wood Doors:
Wood veneer interior doors shall be 1 1/2" thick, 5-ply particle board core complying with CS 236, Type I, Density C, Class 1, and with AWI standard PC-5 construction, NWWDA I.S. 1.8 Type II adhesive, solid core, flush slab style. (The General Contractor shall confirm the Building Standard specifications and match accordingly.)

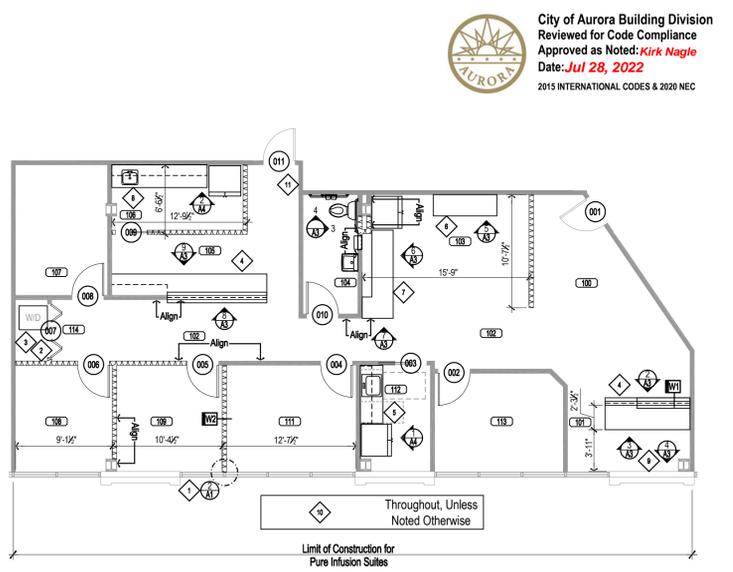
Door Frames:
Entry/Exit: H.M.
Interior: H.M./Gyp. Wrap
(The General Contractor shall confirm the Building Standard specifications and match accordingly.)

Hardware:
Hardware shall meet Building Standard specifications, with Brushed Nickel finish.

Standard hardware to be included with every door in the Door Schedule shall include:
- Latches: Lever Handle at interior and exterior (UNO), with 1" minimum throws.
- Hinges
- Dust Proof Strike Plate
- Silencers
- Wall or Door Stop

The General Contractor shall provide separate cost to label all keys (locksets). Coordinate with Tenant and Building Management on labeling numbers.

Latch Function Legend	Additional Hardware Components Legend
1 Passage	Side-Hinged Folding ("Bi-fold") Door Assembly Hardware: Heavy duty track and rollers Heavy duty hinges Pull knobs (per leaf pair)
2 Keyed Lockset	Cl Closer, Automatic Door (1 per leaf)
3 Privacy	Hm Magnetic Hold Open (1 per leaf)
4 Pull Paddle	Hager - 9600 Commercial Series Pocket Door Frame Kit with Soft Close mechanism #1-269-9651. Provide ADA pull-Mfr. Trimco, 1069 Series, Finish: 629 Satin Anodize Aluminum.



1 Construction Plan
Suite 310
Scale: 1/8" = 1'-0"
North

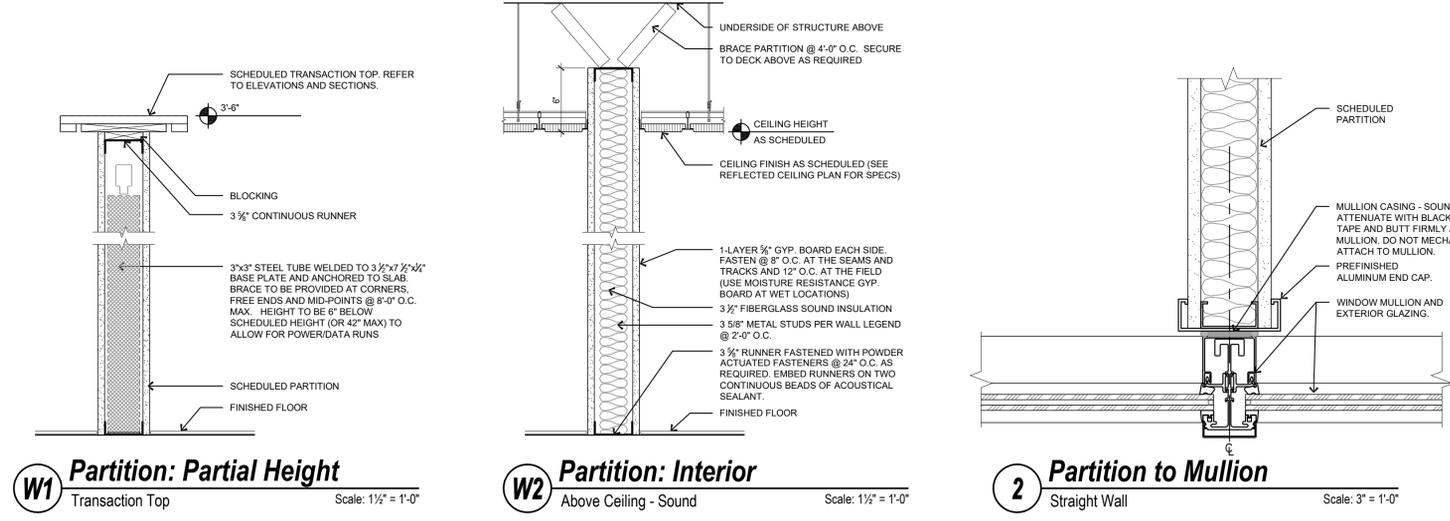
City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: Kirk Nagle
Date: Jul 28, 2022
2015 INTERNATIONAL CODES & 2020 NEC

Room Schedule

100	Waiting	107	Treatment
101	Reception	108	Treatment
102	Tenant Hallway	109	Treatment
103	Guest Lounge	110	---
104	ADA Restroom	111	Treatment
105	MA Station	112	Break
106	Med Storage	113	Treatment
		114	Storage Closet

Sheet Keyed Notes

- TERMINATE PARTITION AT MULLION. Use Building Standard construction method. Refer to Detail.
- PROVIDE NEW WASHER BOX with hot/cold water lines, hook ups and drain for washer. Refer to Mechanical and Plumbing drawings.
- NEW BACKBOARD. Provide 48" x 48" x 3/4" A/D plywood board for telephone equipment. Mount bottom of board at 48" AFF. Paint to match wall.
- NEW BUILT-IN DESK. Refer to elevations and details.
- NEW BREAK ROOM MILLWORK. Refer to elevations and details.
- NEW BUILT-IN CREDENZA. Refer to elevations and details.
- NEW PANTRY CABINET. Refer to elevations and details.
- NEW MEDICAL MILLWORK. Refer to elevations and details.
- BRANDING WALL TO BE PROVIDED with 59 1/2" MDF shiplap siding, floor to ceiling with back in partition for tenant branding. Refer to elevation.
- EXISTING INTERIOR WINDOW TREATMENTS to remain. Clean and repair or replace as necessary.
- NEW FIRE EXTINGUISHER CABINET. Provide semi-enclosed cabinet with full clear tempered glass panel door and white baked enamel finish. Specify: Larson or equal.



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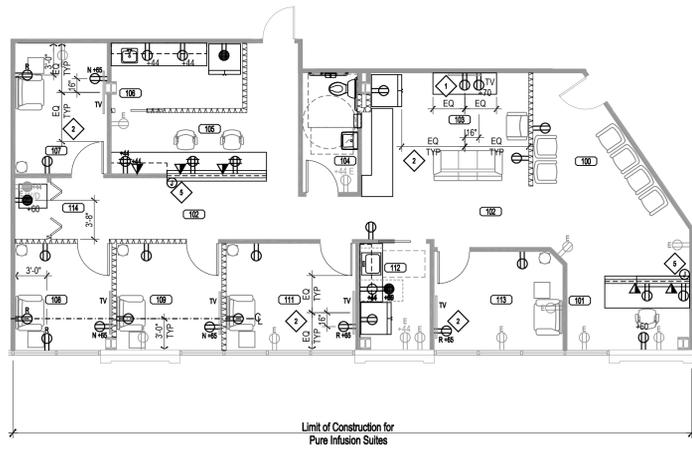


Pure Infusion Suites

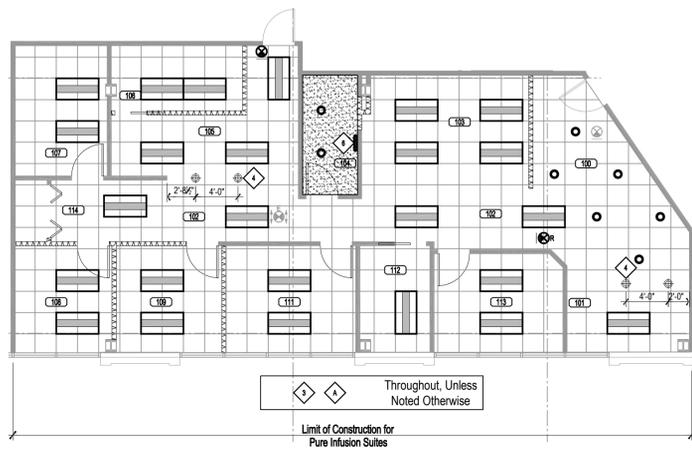
Dates of Record
Project Start Date: 17 Mar 2022
Issued On: Issued For
11 Jul 2022 Tenant Review & Approval; and Construction

Reflected Ceiling Plan, Electrical and Data Plan Notes

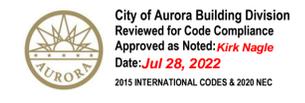
1. Refer to General Notes for additional requirements.
2. The **SUSPENDED CEILING SYSTEM** is existing-to-remain throughout (unless noted otherwise), and shall be refurbished as follows:
 - 2.1. Suspended grid and components shall be cleaned or touched-up where soiled or discolored. Repair and/or replace damaged members. Caulk fill all holes. Match existing conditions.
 - 2.2. Clean, touch-up and/or replace soiled, discolored and damaged ceiling tiles. Replacement ceiling board shall be per specifications or building standards.
 - 2.3. Inspect grid suspension system and adjust ceiling plane, if necessary. Provide additional support where necessary.
 - 2.4. Replacement of materials, when required, shall occur consistently and completely in individual rooms and/or spaces for uniformity of appearance and aesthetics.
 - 2.5. Installation of tiles shall be continuous over walls. Refer to drawings for specific requirements.
 - 2.6. All tiles shall be seated tight, level and true within the grid system.
3. **CEILING HEIGHT:** 9'-0" AFF (UNO). Refer to construction details for ceiling construction and interface with partitions.
4. **FIXTURES AND DEVICES:** Provide and/or relocate light fixtures, switches, and controls indicated on the drawings.
 - 4.1. Refer to Symbols Legend for fixture type and/or specification.
 - 4.2. Install and support fixtures from the structure in accordance with the code.
 - 4.3. Install all new light fixtures, sprinkler heads, diffusers, speakers, detectors, alarms, etc. in the center of the ceiling board or section and symmetrical throughout rooms and open areas, unless noted otherwise.
 - 4.4. The contractor shall field verify all proposed locations of light fixtures prior to commencing construction and shall notify TPS of any discrepancies and/or conflicts with existing installations.
 - 4.5. Existing fixtures scheduled to remain or be re-used shall be inspected and reworked, if necessary. Fixtures shall be cleaned, including lenses and lamps. Defective ballasts and other components shall be replaced. Match existing conditions.
 - 4.6. All light fixtures, exit signs, and switch devices shown throughout are new (unless noted otherwise).
 'E' indicates existing fixtures/device to remain
 'R' indicates relocated fixture or device
5. **LIGHTING DIMENSIONS:** Unless noted otherwise, all light fixtures and devices are dimensioned to the centerline of the fixture.
6. **EXISTING FIRE SPRINKLER HEADS** mounted in the ceiling may be shown on the drawings, and are intended for informational purposes only. Drawings shall be submitted by the General Contractor for any new work required.
7. **MODIFY EXISTING FIRE SPRINKLER SYSTEM** on a **DESIGN-BUILD** basis. Conform to these drawings and documents and as required for obtaining a building permit. Refer to General Notes.
8. Refer to General Notes for additional requirements.
9. **PROVIDE ELECTRICAL POWER AND COMMUNICATIONS OUTLETS,** receptacles and devices indicated on the drawings.
 - 9.1. Refer to symbols legend for device type and/or specification.
 - 9.2. Install in locations as shown on the drawings.
 - 9.3. All power and communications receptacles provided for general purposes shall be installed at 18" from the finished floor to the center of the device (unless noted otherwise).
 - 9.4. Unless noted otherwise, all electrical power and communications outlets, receptacles and devices are dimensioned to the centerline of the device or pair of devices.
 - 9.5. Confirm all box locations with Tenant prior to wiring.
 - 9.6. All rectangular outlet boxes shall be installed with the long side in the vertical position, except above counters and cabinets, or otherwise shown on the drawings.
 - 9.7. All rectangular switch and control boxes for lighting and other devices shall be installed with the long side in the vertical position, recessed flush with the wall surface and at 48" above finished floor to the center of the control unit (unless noted otherwise).
 - 9.8. Outlets shall not be installed back to back in sound insulated partition.
 - 9.9. All outlets indicated to be installed in existing partitions or furred partitions or columns shall be cut-in or recessed flush with wall surface. Furr and/or remove sheathing, if necessary.
 - 9.10. All electrical power and communications outlets, receptacles and devices shown throughout are new (unless noted otherwise).
 'E' indicates existing fixtures/device to remain
 'R' indicates relocated fixture or device
10. **NEW WIRING DEVICES** shall be specification grade; 15 amp. For general application, 20 amp. or greater for dedicated circuits and as required by circuit load. Provide smooth nylon cover plates for all outlets and devices. Color: WHITE.
11. **COMMUNICATION/ DATA OUTLETS** shall conform to the following:
 - 11.1. Communication/data outlets shall consist of an opening in the sheathing with a single gang plaster ring and pullwire with plastic bushing up through wall to the ceiling plenum.
 - 11.2. When inaccessible by the method described above or when indicated on the drawings, include one (1) 3/4" conduit (min.) and 2" deep single gang box for outlet.
 - 11.3. Where communications/data outlets are located in low height partitions or mounted in floors, a maximum of three (3) outlets shall be fed from one (1) 3/4" conduit.
 - 11.4. All communication/data cables, plates, jacks, and final connections shall be provided under a separate contract by the Tenant. All materials shall be installed in compliance with all codes and ordinances and these documents. Cables and fittings installed above the ceiling in the return air plenum shall be rated and labeled for use in plenums. Cables shall be supported from the structure, independent of other support hangers.



1 Power Plan
Suite 310
Scale: 1/8" = 1'-0"
North



2 Reflected Ceiling Plan
Suite 310
Scale: 1/8" = 1'-0"
North



Room Schedule		
100	Waiting	107 Treatment
101	Reception	108 Treatment
102	Tenant Hallway	109 Treatment
103	Guest Lounge	110 ---
104	ADA Restroom	111 Treatment
105	MA Station	112 Break
106	Med Storage	113 Treatment
		114 Storage Closet

- Sheet Keyed Notes**
- NEW TV SUPPORT BRACKET: Furnish and install an adjustable wall mounted television support bracket (include backing in partition as necessary). Install Tenant furnished flat screen television. Coordinate specifications, requirements, and exact location with Tenant.
 - NEW TV WALL MOUNTED CENTER: Outlet to be +18" from center of TV, away from door. Furnish and install an adjustable wall mounted television support bracket (include backing in partition as necessary). Install Tenant furnished flat screen television. Coordinate specifications, requirements, and exact location with Tenant.
 - NEW LED LIGHTING THROUGHOUT: Refer to Section 10.1 for specification.
 - NEW PENDANT LIGHT FIXTURES: Over and center with transaction tops. From Hinkley, ZIGGY 4457BK. In black finish.
 - NEW STRIP LIGHTING: Provide new suspended LED tape lighting fixtures. Refer to Electrical Lighting Plan.
 - Provide (1) NEW LED WALL VANITY LIGHT FIXTURE centered above ADA restroom mirror and sink. Refer to Electrical Lighting Plan.

- Alternate Keyed Notes**
- In lieu of Existing Ceiling system to remain throughout the Limit of Construction, NEW SUSPENDED CEILING. Provide grid (match existing ceiling height) and acoustical tile system throughout Limit of Construction (LWC).

Symbol Legend

Ceiling Mounted Fixtures/ Devices

- Building Standard 2x4 LED light fixture
- Recessed LED downlight fixture
- Low voltage pendant light fixture

NOTE: all fixtures shown half shaded shall have night light egress function.

- Building Standard Exit Sign. Green letters on white face. Battery backup. Shade indicated face(s) and arrows (if any) indicate direction.

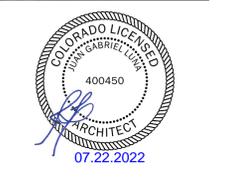
Wall Mounted Fixtures/ Devices

- Duplex electrical receptacle & face plate
- Quadplex electrical receptacle & face plate
- Duplex electrical receptacle & face plate on dedicated circuit
- Combination telephony/ data outlet rough-in (3/2" conduit) w/ double gang J-box and single gang plaster ring with pull string to above finished ceiling.
- Recessed "block type" double gang junction box with duplex receptacle and data outlet for television connection. Coordinate with Tenant's Vendor for required specifications.
- New J-box.
- 'E' Existing fixture/ device to remain.
- 'R' Relocated fixture/ device to be installed in this location.

Refer to Engineering Drawings for complete specifications

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Pure Infusion Suites

Dates of Record

Project Start Date: 17 Mar 2022

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Sheet	Reflected Ceiling Plan
Contents	Power & Communications Plan
Revised	By: JMS
4/28/16	GBS
	Designed by: JC
	Checked by: JC
	GBS

1411 South Potomac • Pure Infusion Suites

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by John B. P. #26, 1411 South Potomac #26010, Pure Infusion #31000wmgp04-COR#42610k.dwg
by John Chenos (jpc@tpsg.com)

MECHANICAL GENERAL NOTES

GENERAL

SCOPE
THE INTENT OF THE SPECIFICATION AND THE DRAWINGS IS TO PROVIDE A COMPLETE AND FULLY OPERATIONAL MECHANICAL SYSTEM. THE MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL LABOR, MATERIAL AND EQUIPMENT NECESSARY TO COMPLETE THE MECHANICAL WORK.

SITE EXAMINATION
THE MECHANICAL CONTRACTOR SHALL THOROUGHLY EXAMINE ALL AREAS WHERE EQUIPMENT, DUCTWORK, AND PIPING WILL BE INSTALLED AND WILL REPORT ANY CONDITION THAT, IN HIS OPINION, PREVENTS THE PROPER INSTALLATION OF THE MECHANICAL WORK.

STANDARDS
EQUIPMENT AND MATERIALS SHALL CONFORM WITH APPROPRIATE PROVISIONS OF ARI, ASME, ASTM, UL, NEMA, ANSI, SMACNA, ASHRAE, AND NFPA, AS APPLICABLE TO EACH INDIVIDUAL UNIT OR ASSEMBLY.

CODES
ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS AND SPECIFICATION AND THE CODES AND THE ORDINANCES, THE HIGHEST STANDARDS SHALL APPLY. THE MECHANICAL CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD WITHOUT ANY EXTRA COST TO OWNER/TENANT.

PERMITS AND FEES
THE MECHANICAL CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, FEES AND INSPECTORS NECESSARY TO COMPLETE THE MECHANICAL WORK.

WARRANTY
THE MECHANICAL CONTRACTOR SHALL UNCONDITIONALLY WARRANT ALL WORK TO BE FREE OF DEFECTS IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE BY OWNER/TENANT AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND REPAIR ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIAL AND WORKMANSHIP.

FILTERS
PROVIDE TWO (2) SETS OF PLEATED DISPOSABLE FILTERS. USE ONE SET UNTIL COMPLETION OF CONSTRUCTION. INSTALL ONE SET AT COMPLETION OF CONSTRUCTION. FILTERS TO BE FARR, OR SIMILAR.

DUCTWORK & ACCESSORIES

SHEETMETAL DUCTWORK
ALL DUCTWORK TO BE RIGID SHEETMETAL CONSTRUCTED FROM GALVANIZED SHEET STEEL IN ACCORDANCE WITH SMACNA 1" PRESSURE CLASS DUCT CONSTRUCTION STANDARDS. ALL EXPOSED DUCTWORK TO BE ROUND, SPIRAL, OR RECTANGULAR LOCK-SEAM TYPE, AS SHOWN ON HVAC PLAN. ASSEMBLE AND INSTALL DUCTWORK IN ACCORDANCE WITH RECOGNIZED INDUSTRY PRACTICE FOR ACHIEVING AIR TIGHT (5% LEAKAGE) AND NOISELESS (NO OBJECTIONABLE NOISE) SYSTEMS, CAPABLE OF PERFORMING EACH INDICATED SERVICE. FURNISH ALL REQUIRED DAMPERS, TRANSITIONS, CONNECTIONS TO AIR TERMINALS, AND OTHER ACCESSORIES NECESSARY FOR A COMPLETE OPERATING SYSTEM. NO VARIATION OF DUCT CONFIGURATION OR SIZES WILL BE PERMITTED EXCEPT BY PERMISSION FROM THE ENGINEER.

DUCT SEALANT
SEAL ALL CONCEALED LONGITUDINAL AND TRANSVERSE JOINTS WITH A NON-HARDENING, NON-MIGRATING MASTIC OR LIQUID ELASTIC SEALANT OF A TYPE RECOMMENDED BY THE MANUFACTURER FOR SEALING JOINTS AND SEAMS IN SHEET METAL DUCTWORK. COVER ALL FIELD JOINTS, JOINTS AROUND SPIN-IN FITTINGS AND FASTENING SCREWS WITH MASTIC. DO NOT SEAL EXPOSED DUCT.

SUPPORTS
PROVIDE HOT-DIPPED GALVANIZED STEEL FASTENERS, ANCHORS, RODS, STRAPS, TRIM, AND ANGLES FOR SUPPORT OF DUCTWORK.

DAMPERS
PROVIDE OPPOSED-BLADE, MULTI-LEAF VOLUME CONTROL DAMPERS WHERE INDICATED ON DRAWINGS AND AT POINTS ON LOW PRESSURE SUPPLY, RETURN AND EXHAUST DUCTS WHERE BRANCHES ARE TAKEN FROM LARGER DUCTS. PROVIDE UL LISTED FIRE DAMPERS WHERE REQUIRED AND IN ACCORDANCE WITH NFPA AND LOCAL CODES. PROVIDE CONVENIENTLY LOCATED ACCESS DOORS OF AMPLE SIZE AND QUANTITY FOR SERVICING THE DAMPERS.

GRILLES, REGISTERS, & DIFFUSERS
GRILLES, REGISTERS AND DIFFUSERS SHALL BE MANUFACTURED BY PRICE. DIFFUSERS SHALL BE INSTALLED AS INDICATED ON THE DRAWINGS AND SCHEDULES. THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS ITEMS NECESSARY FOR A COMPLETE AND PROPER INSTALLATION IN THE TYPE OF CEILING AND WALLS USED IN THIS PROJECT.

CONTROLS AND OPERATIONS

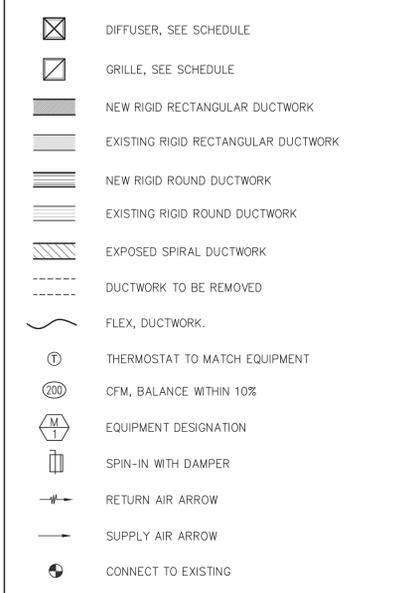
CONTROL WIRING
THE MECHANICAL CONTRACTOR SHALL PROVIDE ALL CONTROL WIRING NECESSARY FOR THE COMPLETE AND PROPER OPERATING TEMPERATURE CONTROL SYSTEM.

CONTROLS
MOUNT ALL CONTROLS @ 48" ABOVE FINISH FLOOR. UNLESS OTHERWISE NOTED.

TESTING, ADJUSTING, AND BALANCING

TESTING, ADJUSTING, BALANCING
MECHANICAL CONTRACTOR OR AN INDEPENDENT NEBB OR AABC CERTIFIED AIR BALANCE CONTRACTOR SHALL ACCURATELY BALANCE THE AIR SYSTEM TO PROVIDE AIR QUANTITIES INDICATED ON THE DRAWINGS AND IN THE SPECIFICATION. OPERATE AUTOMATIC CONTROLS SYSTEM AND VERIFY SET POINTS DURING BALANCING. SUBMIT TWO (2) COPIES OF THE BALANCE REPORT TO THE ENGINEER FOR APPROVAL. INCLUDE A COPY OF THE BALANCE REPORT AS APPROVED BY THE ENGINEER WITH APPLICATION FOR FINAL CONTRACT PAYMENT.

LEGEND



OUTSIDE AIR COMPLIANCE

DESCRIPTION	ROOM #	AREA SF	PEOPLE/1000SF	POPULATION	CFM/PERSON	AREA AIRFLOW RATE	Ez	REQUIRED OUTSIDE AIR CFM	SUPPLY AIR	% OUTSIDE AIR	OUTSIDE AIR PROVIDED	EXHAUST AIRFLOW RATE	EXHAUST REQUIRED	EXHAUST PROVIDED	REMARKS
Waiting Room	100	165	30	5	5.0	0.06	0.8	44	275	20%	55	0.00	0	0	
Reception	101	111	5	1	5.0	0.06	0.8	15	220	20%	44	0.00	0	0	
Hallway	102	324	0	0	0.0	0.06	0.8	24	325	20%	65	0.00	0	0	
Lounge	103	164	30	5	5.0	0.06	0.8	44	220	20%	44	0.00	0	0	
Restroom	104	56	0	0	0.0	0.00	0.8	0	0	0%	0	0.00	70	75	
MA Station	105	73	5	1	5.0	0.06	0.8	12	80	20%	16	0.00	0	0	
Med Storage	106	75	5	1	5.0	0.06	0.8	12	80	20%	16	0.00	0	0	
Exam Room 1	107	106	5	1	5.0	0.06	0.8	14	125	20%	25	0.00	0	0	
Exam Room 2	108	90	5	1	5.0	0.06	0.8	13	330	20%	66	0.00	0	0	
Exam Room 3	109	100	5	1	5.0	0.06	0.8	14	215	20%	43	0.00	0	0	
Exam Room 4	111	123	5	1	5.0	0.06	0.8	15	480	20%	96	0.00	0	0	
Break Room	112	65	5	1	5.0	0.06	0.8	11	105	20%	21	0.00	0	0	
Exam Room 5	113	112	5	1	5.0	0.06	0.8	15	475	20%	95	0.00	0	0	
TOTALS		1564		18				217	2930		491			75	

DIFFUSER SCHEDULE

MARK	SERVICE	FACE SIZE	NECK SIZE	FIRE DAMPER	VOLUME DAMPER	MFR	MODEL	REMARKS
A	SUPPLY	-	-	-	-	-	-	EXISTING TO REMAIN OR BE RELOCATED
C	SUPPLY	24"x24"	8"Ø	NO	NO	PRICE	SCD	
D	SUPPLY	24"x24"	10"Ø	NO	NO	PRICE	SCD	
R	RETURN	-	-	-	-	-	-	EXISTING TO REMAIN OR BE RELOCATED
R1	RETURN	-	-	-	-	-	-	EXISTING TO REMAIN OR BE RELOCATED WITH NEW PRICE RAC, RETURN AIR CANOPY
R2	RETURN	24"x12"	22"x10"	NO	NO	PRICE	PRRF	WITH PRICE RAC, RETURN AIR CANOPY
E	EXHAUST	-	-	-	-	-	-	EXISTING TO REMAIN OR BE RELOCATED

FAN TERMINAL UNIT SCHEDULE

MARK	MFR. & MODEL NUMBER	AIR INLET SIZE	PRIMARY AIR		HEATING			FAN MOTOR			MCA	MAX FUSE	REMARKS
			MAX. CFM	MIN. CFM	VOLTAGE	KW	HEATING CFM	VOLTAGE	HP	FLA			
FT-1	VFPE17D2ED1E091D2100 1100	10"Ø	-	0	277/1	-	1700	277/1	-	-	48.3	50	EXISTING TO REMAIN
FT-2	VFPE17D2ED1E091D2100 1100	10"Ø	-	0	277/1	-	1700	277/2	-	-	48.3	50	EXISTING TO REMAIN

FAN SCHEDULE

MARK	AREA SERVED	SERVICE	LOCATION	CFM	S.P. (IN W.C.)	RPM	HP OR WATTS	PRE-FAB CURB	BACKDRAFT DAMPER	TYPE	VIB. ISOL.	MFR. & MODEL NO.	VOLTS/ PHASE	REMARKS
BF-1	DRYER	EXHAUST	ABOVE CEILING	160	0.2	2175	83 W	NO	NO	CENTRIFUGAL	NO	FANTECH DBF 110	120/1	2, 3

1. CONTROLLED WITH INTEGRAL PRESSURE SWITCH.
2. NEW.

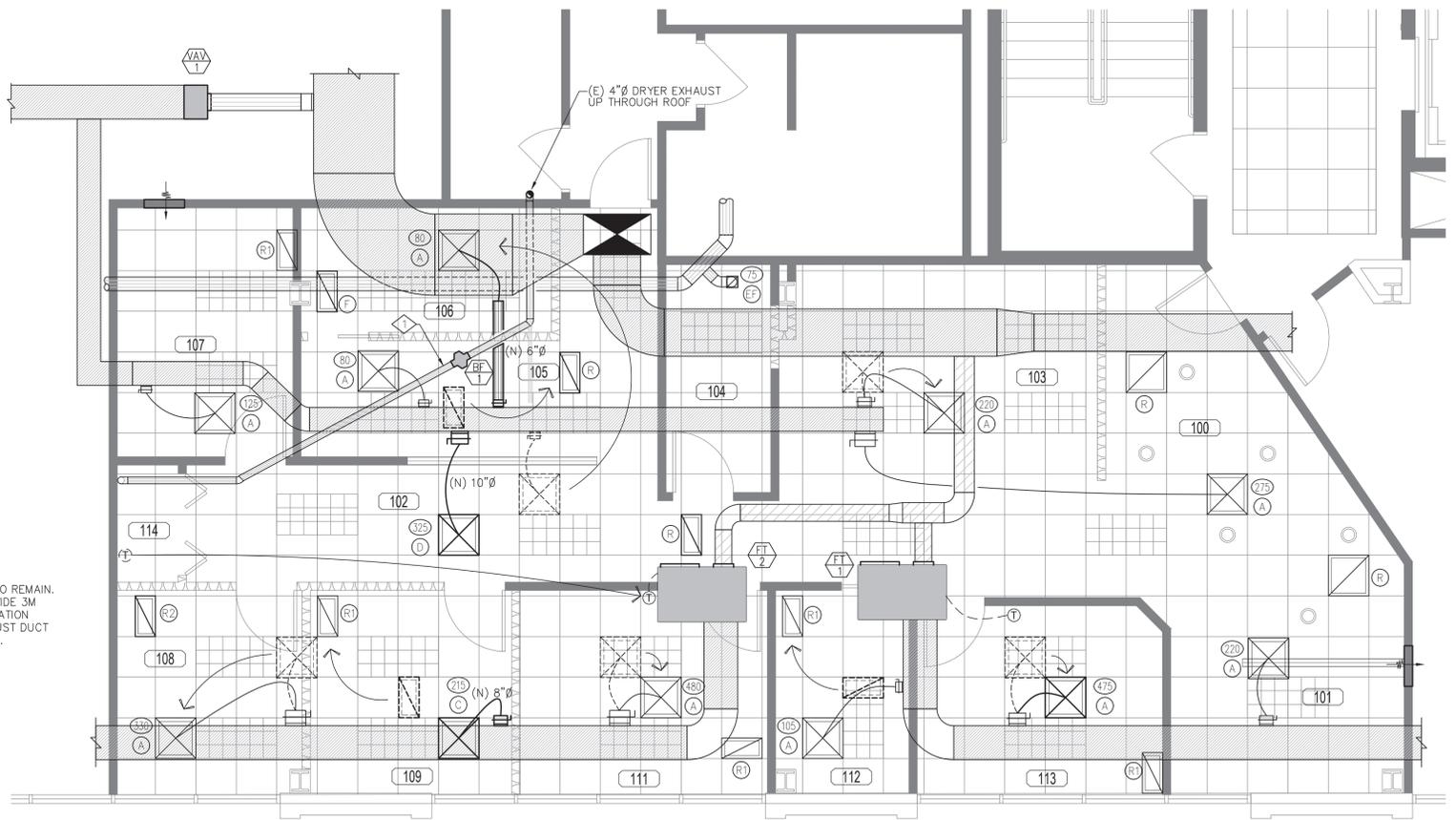
VAV TERMINAL SCHEDULE

MARK	MFR. & MODEL NUMBER	AIR INLET SIZE	MAX. PRIMARY AIR CFM	MIN. PRIMARY AIR CFM	DISCHARGE PLENUM SIZE	REMARKS
VAV-1	PRICE SDV5000	10"Ø	-	0	20" x 14"	EXISTING TO REMAIN

Room Schedule

100	Waiting	107	Treatment
101	Reception	108	Treatment
102	Tenant Hallway	109	Treatment
103	Guest Lounge	110	---
104	ADA Restroom	111	Treatment
105	MA Station	112	Break
106	Med Storage	113	Treatment
		114	Storage Closet

DETAIL NOTES:
1. EXISTING DRYER EXHAUST TO REMAIN. REPAIR AS REQUIRED. PROVIDE 3M FIRE BARRIER DRIER VENTILATION WRAP ON ALL DRYER EXHAUST DUCT WITHIN RETURN AIR PLENUM.



NOTE: ALL DUCTWORK AND DIFFUSERS ARE EXISTING TO REMAIN U.O.N.
1 MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: Y. Munoz
Date: **Aur 03. 2022**
2021 INTERNATIONAL CODES & 2020 NEC

Room Schedule			
100	Waiting	107	Treatment
101	Reception	108	Treatment
102	Tenant Hallway	109	Treatment
103	Guest Lounge	110	-----
104	ADA Restroom	111	Treatment
105	MA Station	112	Break
106	Med Storage	113	Treatment
		114	Storage Closet

PLUMBING PLAN NOTES

- 1 REMOVE (E) SINK. CAP PIPING.
- 2 REMOVE (E) TOILET. CAP PIPING.
- 3 EXISTING WASHER ROUGH-IN BOX TO REMAIN.
- 4 CONNECT TO EXISTING 3"W, 2"V, 3/4"CW AND 3/4"HW.
- 5 CONNECT TO EXISTING 2"W, 2"V, 3/4"CW AND 3/4"HW.
- 6 2"W, 2"V, 3/4" CW AND HW TO BREAK ROOM SINK.
- 7 3"W, 2"V AND 3/4" CW TO TOILET.
- 8 3/4" CW AND HW TO SINK. PROVIDE BELOW COUNTER TEMPERING VALVE.
- 9 2"W FROM FLOOR DRAIN.

5583 South Prince Street
Littleton, Colorado 80120
Phone: (303) 797-7772
Fax: (303) 797-7773

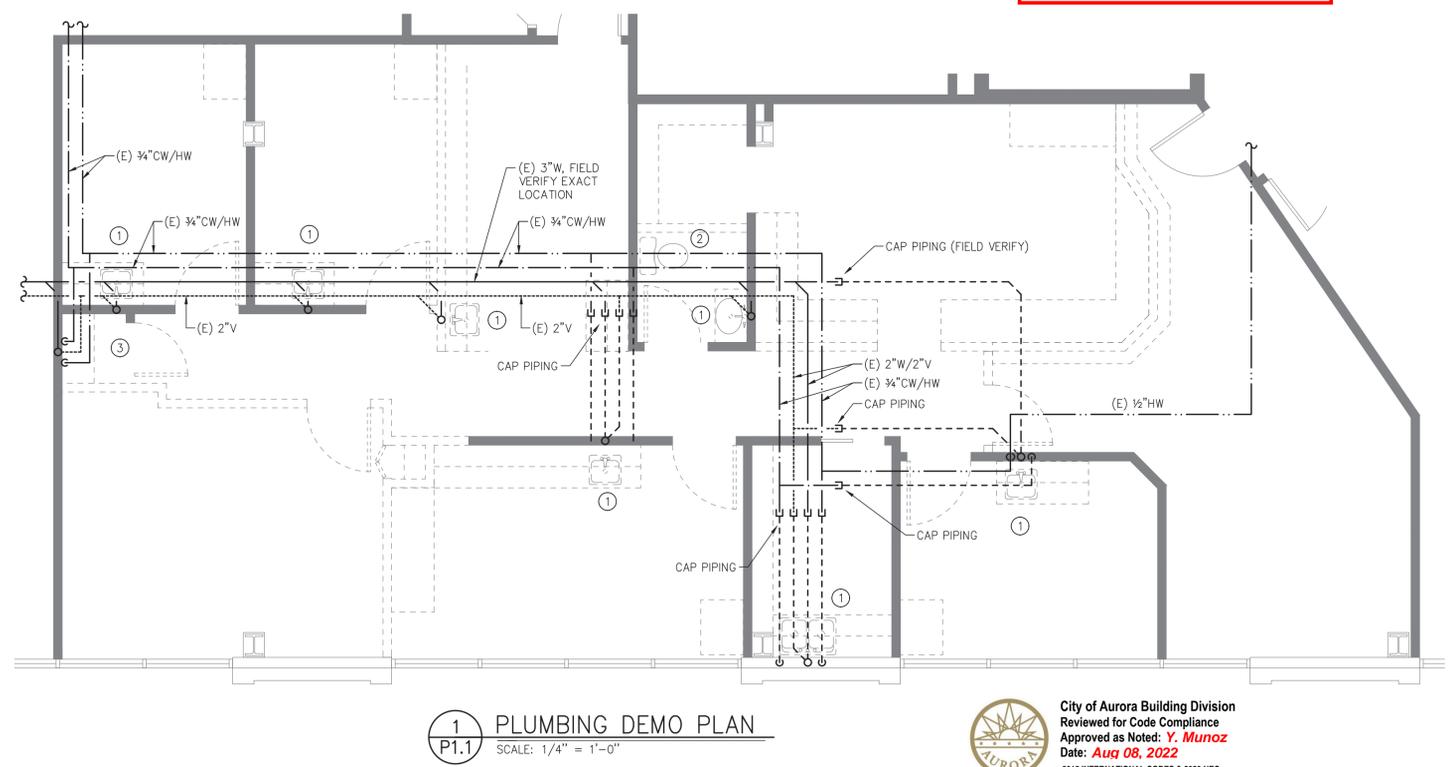
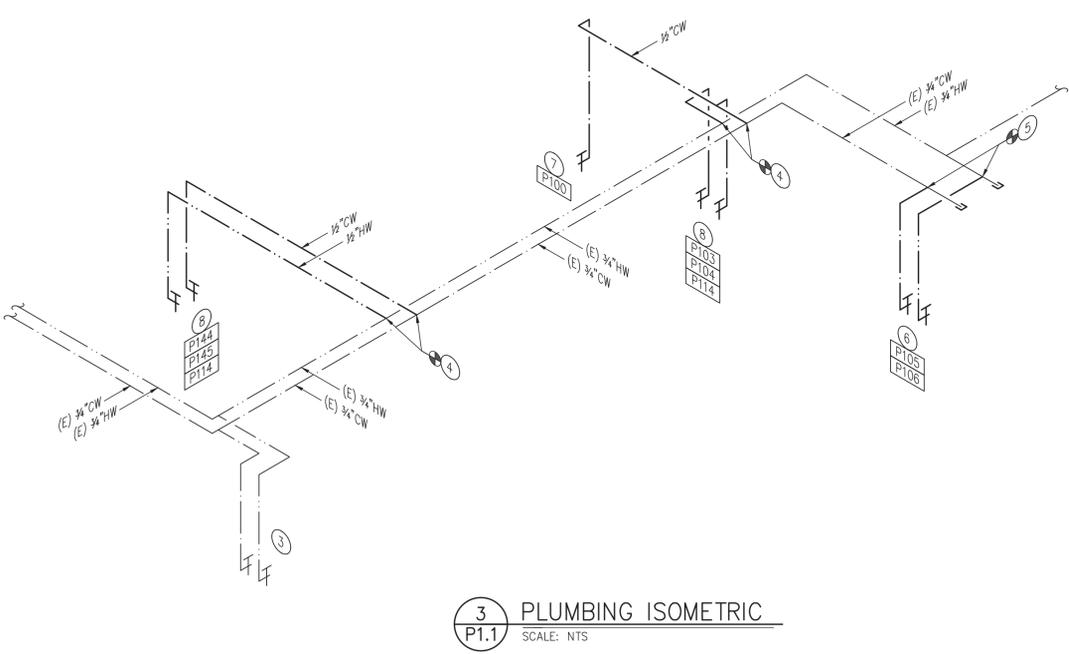
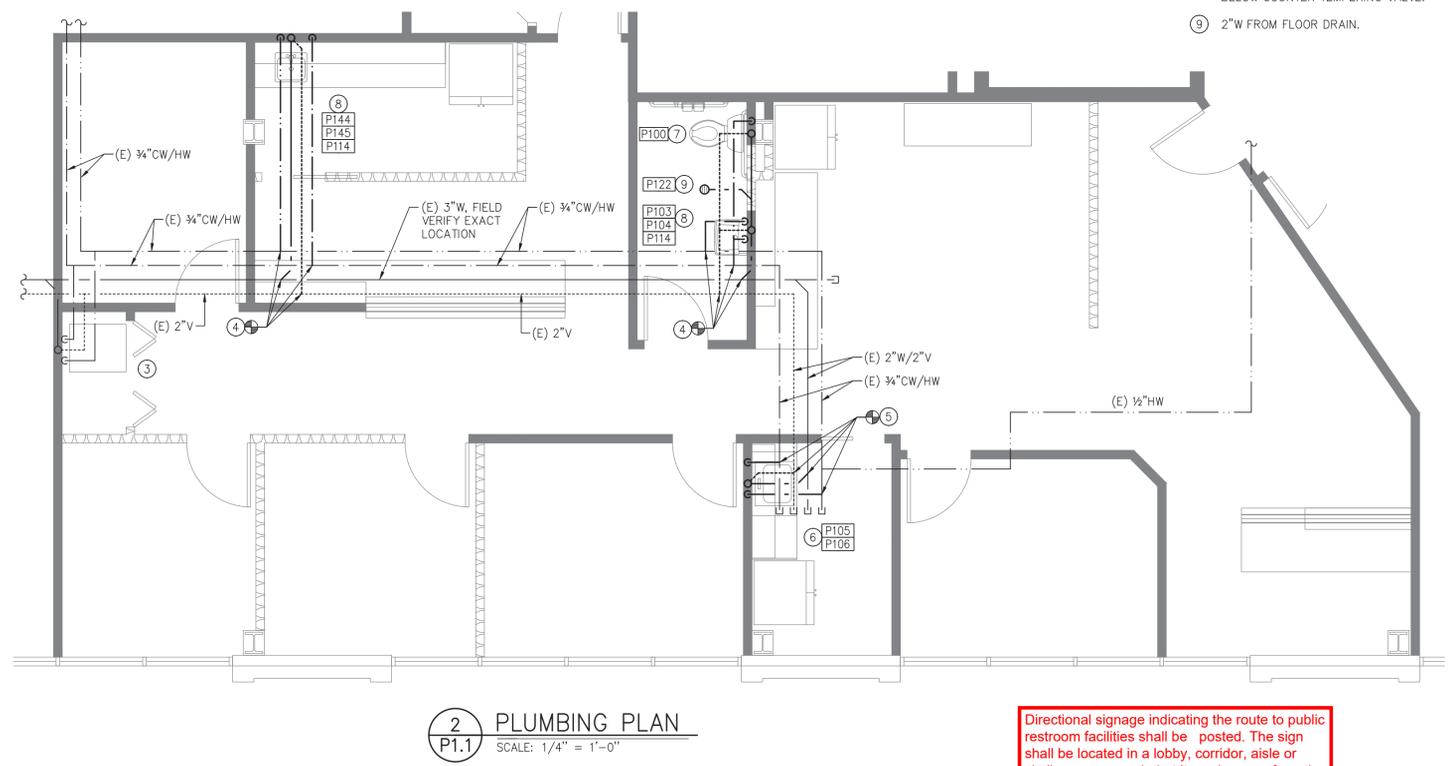
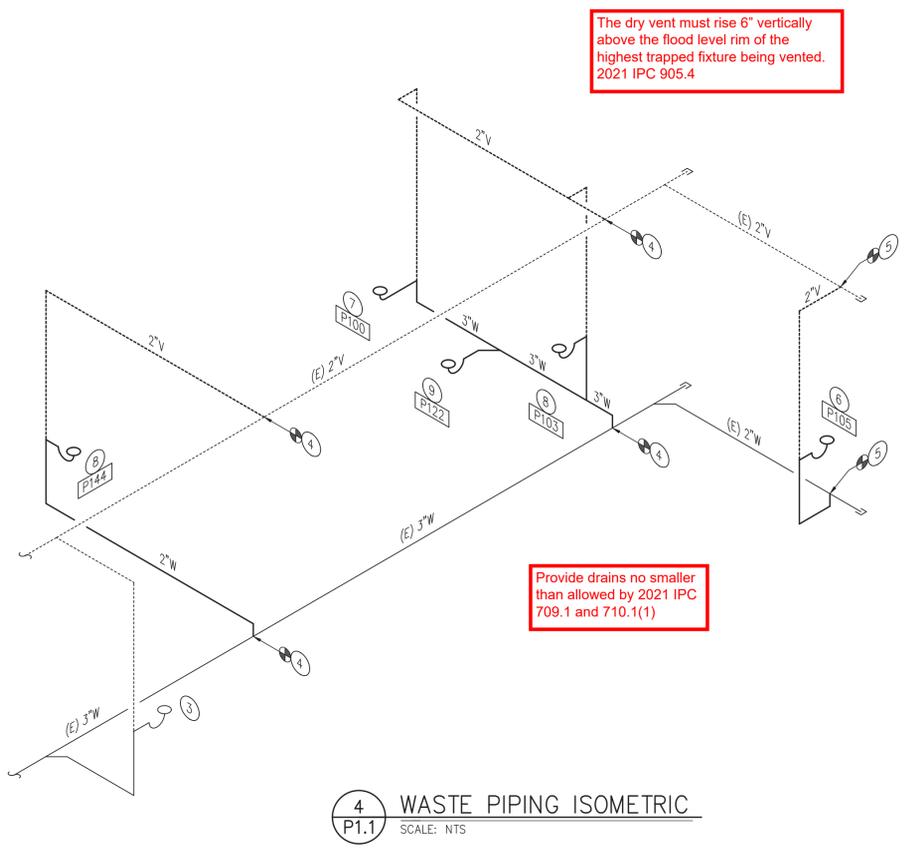
1411 South Potomac
1411 South Potomac Street
Aurora, CO 80012
Suite 310

Digitally signed by Luis R. Cocha
Date: 2022.07.22 17:25:54 -06'00'

Pure Infusion Program

Dates of Record
Project Start Date: *****
Issued On: Issued For:
6 Jul 2022 Tenant's Review & Approval, and Construction

Sheet Contents
Project Team
Project Number
Sheet Mark
PLUMBING PLAN AND NOTES
22287
P1.1
10 of 15



City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: **Y. Munoz**
Date: **Aug 08, 2022**
2015 INTERNATIONAL CODES & 2020 NEC

ELECTRICAL GENERAL NOTES - APPLICABLE TO ALL ELECTRICAL SHEETS

- PRIOR TO SUBMITTING BIDS THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE TO VERIFY EXISTING ELECTRICAL CONDITIONS AND DIFFICULTIES. THE CONTRACTOR SHALL AFFECT EXECUTION OF THE WORK. FIELD VERIFY QUANTITIES OF EXISTING LIGHT FIXTURES, ELECTRICAL DEVICES, COMMUNICATION DEVICES, FIRE ALARM DEVICES, AND ELECTRICAL EQUIPMENT. NOTIFY THE ARCHITECT AND ENGINEER OF ANY EXISTING CONDITIONS WHICH MAY AFFECT THE SCOPE OF WORK. SUBMIT THE CONSTRUCTION DOCUMENTS. SUBMISSION OF A BID PROPOSAL WILL BE CONSIDERED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR MOBILIZATION, LABOR, EQUIPMENT, AND/OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED.
- THE ELECTRICAL CONTRACTOR SHALL EXAMINE THE DRAWINGS OF ALL TRADES WHOSE WORK RELATES TO OR IS DEPENDENT ON ELECTRICAL WORK TO BECOME FULLY INFORMED OF THE EXTENT AND CHARACTER OF THEIR SPECIFIED WORK AND BE ABLE TO COORDINATE IT WHILE AVOIDING POSSIBLE INTERFERENCE WITH THE ELECTRICAL WORK.
- IT IS THE INTENTION OF THESE SPECIFICATIONS AND DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. WHEREVER THE WORD "PROVIDE" IS USED, IT SHALL MEAN "FURNISH AND INSTALL COMPLETE AND READY FOR USE." "REPLACE" SHALL MEAN TO PUT NEW IN PLACE OF EXISTING. THE ARCHITECTURAL GENERAL AND SPECIAL CONDITIONS FOR THE WORK OF THIS PROJECT AND BASE BUILDING SPECIFICATIONS SHALL BE PART OF THE ELECTRICAL SPECIFICATIONS. THE ELECTRICAL CONTRACTOR SHALL EXAMINE THE GENERAL AND SPECIAL CONDITIONS BEFORE SUBMITTING A BID.
- ALONGSIDE SUBMISSION OF THE BID, THE ELECTRICAL CONTRACTOR SHALL GIVE WRITTEN NOTICE TO THE ARCHITECT/ENGINEER OF ANY NECESSARY ITEMS OR WORK THAT HAVE BEEN OMITTED FROM THE DRAWINGS OR SPECIFICATIONS. IN THE ABSENCE OF SUCH NOTICE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ELECTRICAL CONTRACTOR HAS INCLUDED THE COST OF ALL REQUIRED ITEMS IN HIS BID, AND THAT THE ELECTRICAL CONTRACTOR WILL BE RESPONSIBLE FOR THE APPROVED SATISFACTORY FUNCTIONING OF THE ENTIRE SYSTEM WITHOUT EXTRA COMPENSATION.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COMPLETE AND SATISFACTORY ELECTRICAL INSTALLATION IN ACCORDANCE WITH THE TRUE INTENT OF THE DRAWINGS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL INCIDENTAL ITEMS REQUIRED, AS A PART OF THIS ELECTRICAL INSTALLATION. THE INSTALLATION SHALL BE SO MADE THAT ITS SEVERAL COMPONENT PARTS WILL FUNCTION TOGETHER AS A WORKABLE SYSTEM AND SHALL BE LEFT WITH ALL PARTS ADJUSTED AND IN WORKING ORDER.
- ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL LOCAL FEES, PERMITS, AND SERVICES OF INSPECTION AUTHORITIES REQUIRED BY ELECTRICAL WORK FOR ELECTRICAL CONSTRUCTION. FILE ALL NECESSARY PLANS, PERMITS, AND DOCUMENTS, AND OBTAIN ALL NECESSARY APPROVALS REQUIRED BY ALL GOVERNMENTAL DEPARTMENTS HAVING JURISDICTION. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL REMAIN EXPOSED TO VIEW UNTIL APPROVED BY THE INSPECTION AUTHORITY.
- ELECTRICAL CONTRACTOR SHALL FULLY COORDINATE WITH OWNER REPRESENTATIVES, ARCHITECT AND WORK PERFORMED UNDER THIS CONTRACT SHALL CONFORM WITH LATEST EDITIONS OF THE NATIONAL ELECTRICAL CODE, INTERNATIONAL BUILDING CODE, LOCAL BUILDING AND FIRE DEPARTMENT REQUIREMENTS. PERFORM WORK IN ACCORDANCE WITH REQUIREMENTS OF OWNER REPRESENTATIVE.
- ELECTRICAL CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER OF ANY CHANGES REQUIRED BY THE BUILDING MANAGEMENT AND TENANT REPRESENTATIVES.
- BEFORE STARTING WORK, ELECTRICAL CONTRACTOR SHALL PREPARE AND SUBMIT TO THE ARCHITECT/ENGINEER FIVE (5) SETS OF SHOP DRAWINGS, BROCHURES, INSTALLATION INSTRUCTIONS, AND DESCRIPTIVE EQUIPMENT DATA RELATED TO SPECIFIED EQUIPMENT, WIRING DEVICES, AND ACCESSORIES FOR APPROVAL. ELECTRONIC SUBMITTALS (PDF OR SIMILAR) ARE ACCEPTABLE WITH PRIOR APPROVAL FROM THE ARCHITECT. THE CONTRACTOR SHALL IDENTIFY ANY "LONG LEAD TIME" ITEMS WHICH MAY IMPACT THE OVERALL PROJECT SCHEDULE. ALL BIDS SHALL INCLUDE THE PURCHASE AND DELIVERY OF EQUIPMENT TO MEET THE PROJECT SCHEDULE. NO EQUIPMENT SHALL BE ORDERED, PURCHASED, OR INSTALLED PRIOR TO THE APPROVAL OF SHOP DRAWINGS, BROCHURES, INSTALLATION INSTRUCTIONS, AND SCHEDULES. APPROVAL BY THE ARCHITECT/ENGINEER IS INTENDED TO ESTABLISH CONFORMANCE WITH THE PROJECT DESIGN CONCEPT AND THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS.
- THE NAMING OF THE MANUFACTURER OR BRAND WITH CATALOG NUMBER OR OTHER PRODUCT IDENTIFICATION WITHOUT THE WORDS "OR EQUAL" IN THE SPECIFICATIONS OR NOTES SHALL INDICATE THAT IT IS THE ONLY PRODUCT APPROVED FOR PURCHASE. IF THE WORDS "OR EQUAL" ARE USED THEY SHALL BE INTERPRETED AS ESTABLISHING A QUALITY OR PERFORMANCE STANDARD FOR THE MATERIAL OR PRODUCT TO BE PURCHASED. THIS SHALL INDICATE THAT THE ELECTRICAL CONTRACTOR IS NOT RESTRICTED TO THE USE OF THE NAMED AND IDENTIFIED PRODUCT IF A SUBSTITUTE APPROVED BY THE ARCHITECT/ENGINEER IS AVAILABLE. HOWEVER, WHERE A SUBSTITUTION IS REQUESTED, IT WILL BE PERMITTED ONLY WITH THE WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER. NO SUBSTITUTE MATERIAL OR PRODUCT SHALL BE ORDERED, FABRICATED, SHIPPED OR PROCESSED IN ANY MATTER PRIOR TO THE APPROVAL OF THE ARCHITECT/ENGINEER. THE ELECTRICAL CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ADDITIONAL EXPENSES AS REQUIRED MAKING CHANGES FROM THE ORIGINAL MATERIAL OR PRODUCT SPECIFIED.
- THE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND INDICATE THE GENERAL ARRANGEMENT OF ELECTRICAL WORK. DIMENSIONS AND SPACING SHALL BE SUBJECT TO MINOR MODIFICATIONS AS DIRECTED BY THE GENERAL CONTRACTOR AND OWNER REPRESENTATIVES. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE EXACT FITTING OF ALL MATERIALS, EQUIPMENT, ETC., IN THE BUILDING AND TENANT SPACE. ALL DIMENSIONS SHALL BE VERIFIED ON THE JOB.
- DRAWINGS SHALL NOT BE SCALED FOR ROUGH-IN MEASUREMENTS OR USED AS SHOP DRAWINGS. WHERE DIMENSIONS ARE SHOWN ON DRAWINGS, THESE DIMENSIONS ARE TO BE FIELD-VERIFIED BY THE ELECTRICAL CONTRACTOR AGAINST EXISTING FIELD CONDITIONS, INSTALLATION REQUIREMENTS OF OTHER TRADES, AND THE MANUFACTURER'S SUBMITTALS FOR EQUIPMENT TO BE INSTALLED. SHOULD ANY CONFLICTS ARISE WHICH CANNOT BE EASILY RESOLVED IN THE FIELD WITHOUT CHANGING THE DESIGN INTENT, THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
- WHILE ALL WORK IS IN PROGRESS, EXCEPT FOR SHORT DESIGNATED INTERVALS DURING WHICH CONNECTIONS ARE TO BE MADE, CONTINUITY OF SERVICE TO ALL EXISTING SYSTEMS SERVING OCCUPIED SPACES SHALL BE MAINTAINED. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH OWNER AT ALL TIMES FOR ALL NEW-TO-EXISTING CONNECTIONS, SYSTEM SHUTDOWNS, AND RESTART-UP.
- ANY WORK WHICH WILL AFFECT THE BUILDING OCCUPANTS, INCLUDING, BUT NOT LIMITED TO WORK WHICH GENERATES EXCESSIVE NOISE, DUST, SMOKE, OR INCONVENIENCE TO BUILDING OCCUPANTS, SHALL BE PERFORMED AFTER BUSINESS HOURS. UNLESS PRIOR APPROVAL HAS BEEN OBTAINED FROM THE BUILDING MANAGER OR OWNER.
- ELECTRICAL ITEMS AFFECTED BY REMODEL WORK ARE SHOWN ON DRAWINGS ALONG WITH EXISTING ELECTRICAL INSTALLATION SHOWN WITH LIGHT LINE WEIGHT. EXISTING ELECTRICAL INSTALLATION SHOWN IS NOT NECESSARILY ALL-INCLUSIVE. RETAIN CIRCUIT CONTINUITY FOR EXISTING ELECTRICAL EQUIPMENT, FIXTURES, AND DEVICES THAT ARE TO REMAIN. SUCH EQUIPMENT SHALL BE RECONNECTED TO EXISTING CIRCUITS OR CONNECTED TO NEW CIRCUIT(S) AS INDICATED ON DRAWINGS. ENSURE ALL ELECTRICAL DEVICES IN WORK AREA ARE FULLY FUNCTIONAL. FOR DEVICES OR JUNCTION BOXES LOCATED IN WALLS, THAT MUST REMAIN IN PLACE FOR CIRCUIT CONTINUITY, PROVIDE BLANK COVER PLATES TO MATCH WALL PLATES SIZE IN THE AREA OF WORK. FOR ALL OTHER UNUSED JUNCTION BOXES, REMOVE WIRING AND PROVIDE BLANK COVER PLATE, OR COORDINATE WITH GENERAL CONTRACTOR FOR PATCHING OF WALL TO MATCH ADJACENT SURFACE AS DIRECTED BY ARCHITECT. WHERE EXISTING DEVICES CONFLICT WITH NEW WALL CONSTRUCTION, RELOCATE EXISTING DEVICE AND REWORK CIRCUITRY AS REQUIRED TO MAINTAIN CIRCUIT CONTINUITY. DEVICES MAY ONLY BE REMOVED FROM THE DESIGN AND BUILDING MANAGEMENT. COORDINATE FINAL DIRECTIONS WITH ARCHITECT PRIOR TO DEMOLITION.
- REPORT ANY EXISTING DAMAGED EQUIPMENT OR SYSTEMS TO THE OWNER PRIOR TO BEGINNING THE PROJECT.
- BEFORE ANY EQUIPMENT IS INSTALLED, DETERMINE THAT SAID EQUIPMENT WILL PROPERLY FIT WITHIN THE SPACE ALLOCATED. INSTALL EQUIPMENT AND MATERIALS IN SUCH A MANNER AS TO PROVIDE REQUIRED ACCESS FOR SERVICING AND MAINTENANCE. ALLOW AMPLE SPACE FOR REMOVAL OF ALL PARTS THAT REQUIRE REPLACEMENT OR SERVICING.
- MINIMUM WORKING CLEARANCES PER THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE SHALL BE PROVIDED AROUND AND IN FRONT OF ALL ELECTRICAL EQUIPMENT.
- ALL CIRCUIT BREAKER LUOS SHALL BE RATED FOR A MINIMUM OF 75 DEGREES CELSIUS.
- ALL MATERIALS AND EQUIPMENT SHALL BE NEW, UNMATERIALIZED, BEAR THE UL LABEL AND WHERE APPLICABLE BE AS SPECIFIED IN EACH SPECIAL LOCATION. ANY INCIDENTAL ACCESSORIES NECESSARY TO COMPLETE THE WORK IN ALL RESPECTS AND MAKE IT READY FOR OPERATION, EVEN IF NOT SPECIFICALLY SPECIFIED, SHALL BE FURNISHED, DELIVERED, AND INSTALLED BY THE ELECTRICAL CONTRACTOR WITHOUT ADDITIONAL EXPENSE TO THE CLIENT.
- MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR THE PROPER INSTALLATION AND OPERATION OF A SYSTEM OR EQUIPMENT, SHALL BE INCLUDED IN THE ELECTRICAL CONTRACTOR'S ESTIMATE, AS IF SPECIFIED HEREIN OR SHOWN.
- ALL NEW, RELOCATED AND EXISTING MATERIALS, IN CEILING FLENUMS NOT FULLY INFORMED OF THE EXTENT AND CHARACTER OF THEIR SPECIFIED WORK AND BE ABLE TO COORDINATE IT WHILE AVOIDING POSSIBLE INTERFERENCE WITH ALL TRADES.
- COORDINATE THE INSTALLATION OF ELECTRICAL MATERIALS AND EQUIPMENT ABOVE AND BELOW CEILINGS WITH SUSPENSION SYSTEM, MECHANICAL EQUIPMENT, AND OTHER BUILDING COMPONENTS. ALL COMPONENTS SHALL BE LOCATED AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE CEILING CAVITY SPACE CAREFULLY WITH ALL TRADES.
- NEUTRALS, RACEWAYS, AND NON-CURRENT CARRYING PARTS OF ELECTRICAL EQUIPMENT AND ASSOCIATED WIRING SHALL BE PROVIDED FULL CONFORMANCE WITH THE NATIONAL ELECTRICAL CODE. PROVIDE HARD WIRE GROUND CONNECTIONS TO ALL DEVICES AND SEPARATE, CONTINUOUS, INSULATED GROUND WIRE IN EACH CIRCUIT (#12 CU MINIMUM "GREEN" TRACER CONDUIT). COORDINATE EQUIPMENT GROUNDING CONDUCTOR WIRE SIZE WITH MANUFACTURER REQUIREMENTS.
- CONDUIT JOINTS SHALL BE CUT SQUARE, THREADED, REAMED SMOOTH, AND DRAWN TO THE BEND OR OFFSET SHALL BE MADE WITH AN APPROVED BENDER OR HOKEY. IN-HUB-TYPE CONDUIT FITTINGS. THE NUMBER OF BENDS PER RUN SHALL CONFORM TO THOSE STATED IN CURRENT NEC.
- WHERE POSSIBLE ALL WIRING SHALL BE RUN CONCEALED. ALL HOME RUNS SHALL BE EMIT. CONCEALED CONDUIT SYSTEMS SHALL BE RUN IN A DIRECT LINE WITH LONG SWEEP BENDS AND OFFSETS. EXPOSED CONDUIT RUNS SHALL BE PARALLEL TO AND AT RIGHT ANGLES TO BUILDING LINES, USING CONDUIT BUSHINGS AT ALL TURNS AND OFFSETS. ALL EMPTY CONDUITS SHALL BE SUPPLIED WITH PULL WIRES AND BUSHINGS.
- "MC" AND "AC" TYPE CABLE WITH INTERNAL GROUND WIRES SHALL BE PERMITTED FOR BRANCH CIRCUIT WIRING WHERE APPROVED IN WRITING BY BUILDING MANAGEMENT AND THE LOCAL AHI ONLY AND INSTALLED PER NATIONAL ELECTRICAL CODE AND LOCAL BUILDING DEPARTMENT REQUIREMENTS. USE LISTED AND APPROVED TYPE COUPLINGS AND CONNECTORS. PROVIDE CONDUIT SUPPORTS AS REQUIRED BY THE NATIONAL ELECTRICAL CODE AS A MINIMUM.
- ALL ROOF PENETRATIONS SHALL BE SEALED WATER TIGHT, PROVIDE FLASHING AND COUNTER FLASHING AS REQUIRED. COORDINATE ROOFING WORK WITH THE GENERAL CONTRACTOR.
- ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL JUNCTION AND PULL BOXES TO PROVIDE ACCESS POINTS FOR PULLING AND FEEDING CONDUITS INTO A RACEWAY SYSTEM. JUNCTION AND PULL BOXES AND THEIR COVERS SHALL BE FORMED FROM SHEET STEEL AND SHALL BE FINISHED IN GRAY ENAMEL PAINT. BOXES SHALL BE IN INDUSTRY STANDARD SIZES. OUTLET BOXES WITH THE CORRECT FITTING FOR THE APPLICATION SHALL BE LOCATED AT EACH CONDUCTOR SPACE POINT, AT EACH OUTLET SWITCH POINT, AT JUNCTION POINT, AND AT EACH PULL POINT FOR THE CONNECTION OF CONDUIT AND OTHER RACEWAYS. OUTLET BOXES FOR CONCEALED WIRING SHALL BE MADE FROM GALVANIZED OR CADMIUM-PLATED SHEET STEEL, AND THEY SHALL HAVE A DEPTH OF AT LEAST 1.5 INCHES, WHETHER SINGLE OR GANGED. THE BOXES SHALL BE LARGE ENOUGH SIZE TO ACCOMMODATE THE NUMBER OF WIRING DEVICES AND CONDUCTORS AS SPECIFIED IN THE FILL SCHEDULE OF THE CURRENT NEC. SECURE BOXES WITH MOUNTING BRACKET, BRACES, HANGER OR BOLT MOUNTING SUPPORT.
- ALL NEW SWITCHES, POWER OUTLETS, TELEPHONE OUTLETS, FIRE ALARM DEVICES, AND COMMUNICATIONS OUTLETS SHALL MEET THE REQUIREMENTS FOR AMERICANS WITH DISABILITIES (ADA) MOUNTING HEIGHTS AND ORIENTATIONS, TYPICAL UNLESS OTHERWISE NOTED. RECEPTACLES SHALL BE A MINIMUM OF 15" A.F.F. AND SWITCHES A MAXIMUM OF 48" A.F.F. TO CENTERLINE, TYPICAL UNLESS OTHERWISE NOTED.
- ALL WALL MOUNTED OUTLETS SHALL BE OFFSET SO THEY ARE NOT BACK TO BACK, FOR SOUND TRANSMISSION PURPOSES. A HORIZONTAL DISTANCE OF AT LEAST 6 INCHES SHALL SEPARATE OUTLET BOXES ON OPPOSITE SIDES OF WALLS AND PARTITIONS. MOUNT ELECTRICAL AND COMMUNICATIONS OUTLETS ON WALLS AS CLOSE TOGETHER AS POSSIBLE.
- WIRING DEVICES SHALL BE SPECIFICATION GRADE. MINIMUM DEVICE RATING SHALL BE 20 AMPS FOR ALL WIRING DEVICES UNLESS SPECIFICALLY NOTED OTHERWISE. DEVICES IN WALLS SHALL BE RATED AS DESIGNATED BY THE MANUFACTURER. ISOLATED GROUND RECEPTACLES SHALL BE ORANGE. MATCH COLOR AND TYPE TO EXISTING BUILDING STANDARD. PROVIDE MATCHING NYLON COVER PLATES FOR ALL OUTLETS. ELECTRICAL CONTRACTOR SHALL VERIFY ALL OUTLETS WITH ARCHITECTURAL PLANS AND TENANT BEFORE ORDERING AND PURCHASING OF MATERIALS.
- FIRE RESISTIVE WALLS AND PARTITIONS MAY HAVE OPENINGS FOR STEEL ELECTRICAL OUTLET BOXES NOT EXCEEDING 16 SQUARE INCHES IN AREA. PROVIDED THE AGGREGATE AREA OF SUCH OPENINGS IS NOT MORE THAN 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL. A HORIZONTAL DISTANCE OF AT LEAST 6 INCHES SHALL SEPARATE OUTLET BOXES ON OPPOSITE SIDES OF FIRE RESISTIVE WALLS AND PARTITIONS.
- ALL JUNCTION BOX COVERS SHALL BE INDENTIBLY LABELED WITH PANEL DESIGNATION, BRANCH CIRCUIT NUMBER OF EACH WIRE WIRING IN PANEL AND JUNCTION BOX. PANELS/DISCONNECTS/TRANSFORMERS AND SIMILAR MUST BE LABELED WITH THEIR SOURCE AND WITH CALCULATED AIC VALUE/DATE.
- ALL WIRING SHALL BE COPPER. TYPE THHN OR THWN INSULATION, UNLESS SPECIFICALLY NOTED OTHERWISE. MINIMUM SIZE SHALL BE #12 AWG AND CONDUCTORS SHALL BE FACTORY COLOR-CODED WITH WIRE COLOR CODING AS REQUIRED BY THE NATIONAL ELECTRICAL CODE AND USING STANDARD CONDUCTOR COLOR CODES:
120/208 VOLTS: 277/480 VOLTS:
A: BLACK B: BROWN
R: RED O: ORANGE
C: BLUE C: YELLOW
NEU: WHITE NEH: NEH
GND: GREEN GND: GREEN
ISO. G: GREEN/YELLOW STRIPE
- RECEPTACLES FOR COMPUTERS, COPIERS, AND PRINTERS, WHICH ARE SEMI-DEDICATED, DEDICATED, OR ISOLATED, SHALL HAVE A SEPARATE NEUTRAL AND DEDICATED GROUND CONDUCTOR RUN FROM THE BRANCH CIRCUIT PANEL BOARD.
- ALL JOINTS OR SPLICES FOR 10 AWG. CONDUCTORS OR SMALLER SHALL BE MADE WITH UL-APPROVED WIRE NUTS, OR COMPRESSION-TYPE CONNECTORS.
- ALL JOINTS OR SPLICES FOR CONDUCTORS 8 AWG AND LARGER SHALL BE MADE WITH A MECHANICAL COMPRESSION OR BOLTED CONNECTOR. AFTER THE CONDUCTORS HAVE BEEN MADE MECHANICALLY AND ELECTRICALLY SECURE, THE ENTIRE JOINT OR SPlice SHALL BE COVERED WITH 3M SCOTCH BRAND NO. 33 TAPE OR APPROVED EQUAL. TO MAKE THE JOINT VALUE AT LEAST AS GOOD AS EQUIPMENT EQUAL TO THE VALUE OF THE CONDUCTOR INSULATION. ALL CONNECTORS SHALL BE UL APPROVED.
- ALL NEW MULTI-WIRE BRANCH CIRCUITS SHALL INCLUDE SEPARATE NEUTRAL CONDUCTORS OR BREAKER TIES AS REQUIRED BY CURRENT NEC SECTION 210.4 (B).
- VOLTAGE DROP- THE ELECTRICAL CONTRACTOR SHALL ENSURE THAT VOLTAGE DROP FOR FEEDERS TO DISTRIBUTION EQUIPMENT DOES NOT EXCEED 2% AND VOLTAGE DROP IN BRANCH CIRCUITING DOES NOT EXCEED 3% FOR OVERALL VOLTAGE DROP OF 5% (MAXIMUM). FEEDERS LISTED ON SCHEDULES AND THE ELECTRICAL ONE-LINE DIAGRAM ARE A BASIC FEEDER/RANX CIRCUIT SIZE AND SHALL BE ADJUSTED AS NEEDED BASED ON ACTUAL LENGTHS OF CONDUCTORS.
- ELECTRICAL CONTRACTOR SHALL #10 CU SIZE SHARED NEUTRAL CONDUCTOR WITHIN FURNITURE SYSTEMS TO A #10 AWG CU CONDUIT. ELECTRICAL CONTRACTOR TO CONSIDER THE NEUTRAL CONDUCTOR AS A CURRENT CARRYING CONDUCTOR WHEN FEEDING ELECTRONIC LOADS.
- ALL LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY FROM STRUCTURE. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF LIGHT FIXTURES AND ELECTRICAL DEVICES.
- FOR ALUMINUM CONDUCTOR TERMINATIONS, ALUMINUM BI-METALLIC PIM CONNECTORS ARE REQUIRED UNLESS COMPACT CONDUITORS ARE USED. THESE CONNECTORS SHALL BE UL LISTED PER UL 486B AND RATED FOR USE UP TO 600V AND TEMPERATURE UP TO 90°C. CONNECTORS SHALL BE INSTALLED WITH MANUFACTURER'S SPECIFIED CRIMPING TOOLS AND DIES.

This sheet of drawings has not been reviewed for code compliance.

FIRE ALARM SYSTEM

- GENERAL CONTRACTOR SHALL SOLICIT BIDS FROM BUILDING OWNER'S DESIGNATED FIRE ALARM CONTRACTOR FOR DESIGN AND INSTALLATION OF AN APPROVED FIRE ALARM SYSTEM AND DEVICES WHICH SHALL COMPLY WITH ALL APPLICABLE CODES AND ALL REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION. (GENERAL CONTRACTOR SHALL VERIFY WITH BUILDING MANAGEMENT/OWNER CONCERNING DESIGNATED FIRE ALARM CONTRACTOR.)
- REQUIRED MODIFICATIONS TO EXISTING FIRE ALARM SYSTEM SHALL BE PROVIDED ON A DESIGN/BUILD BASIS BY FIRE ALARM CONTRACTOR. PRIOR TO BIDDING, FIRE ALARM CONTRACTOR SHALL FIELD VERIFY EXISTING FIRE ALARM SYSTEM CAPABILITY AND FIRE ALARM DEVICE LOCATIONS IN THIS SCOPE OF WORK. IF REQUIRED BY LOCAL JURISDICTION, FIRE ALARM SYSTEM SHALL BE UPGRADED TO MEET CURRENT CODES. FIRE ALARM CONTRACTOR SHALL PREPARE AND SUBMIT ALL SHOP DRAWINGS AND EQUIPMENT BROCHURES TO AUTHORITIES HAVING JURISDICTION, SUCH AS FIRE DEPARTMENT, BUILDING DEPARTMENT, ETC., AS REQUIRED, FOR REVIEW AND APPROVAL. CONTRACTOR SHALL ALSO PROVIDE THE ENGINEER WITH ONE (1) SET OF DRAWINGS, CALCULATIONS AND EQUIPMENT SUBMITTALS FOR HIS REVIEW AND RECORD.
- IF REQUIRED, RELOCATE EXISTING SMOKE DETECTORS, REMOTE INDICATOR LIGHTS, FIRE ALARM HORNS, STROBES, SPEAKERS, ETC., BASED ON REMODELED AREA MODIFICATION, AND RECONNECT TO EXISTING SYSTEM AS REQUIRED. NEW FIRE ALARM DEVICES SHALL BE COMPATIBLE WITH THE EXISTING DEVICES AND SHALL BE COMPATIBLE WITH EXISTING FIRE ALARM SYSTEM. PROVIDE ADDITIONAL CONDUCTORS, ZEM'S I/M'S AND OTHER EQUIPMENT NECESSARY IN ORDER TO EXPAND SYSTEM AS REQUIRED. PROVIDE SYNCHRONIZING MODULES FOR STROBES. IF REQUIRED, RELOCATE EXISTING FIRE ALARM DEVICES WHICH ARE NOT CURRENTLY BUILDING STANDARD OR COMPATIBLE WITH NEW BUILDING STANDARD FIRE ALARM DEVICES. PRIOR TO PURCHASING FIRE ALARM DEVICES, PROVIDE CUT SHEETS, SHOP DRAWINGS, AND SEQUENCE OF OPERATION TO BUILDING MANAGEMENT AND FIRE PREVENTION BUREAU FOR THEIR APPROVAL, AND TO ENGINEER FOR HIS REVIEW.
- PROVIDE NEW BUILDING STANDARD FIRE ALARM STROBES, ADA HIGH INTENSITY, COMPATIBLE WITH EXISTING OR NEW FIRE ALARM SYSTEM AS REQUIRED. MODIFY EXISTING FIRE ALARM CIRCUIT CONDUITORS AND FIRE ALARM PANELS PER MANUFACTURER'S REQUIREMENTS.

COMMUNICATIONS SYSTEMS

- ELECTRICAL CONTRACTOR SHALL FULLY FIELD REPRESENTATIVE COMMUNICATIONS SYSTEM INSTALLATION (DEVICES AND CABLING) WITH TENANT REPRESENTATIVE PRIOR TO ROUGH IN AND PURCHASING OF MATERIALS.
- AT TELEPHONE AND DATA SERVICE POINT FOR EACH MODULAR FURNITURE GROUPING, THE ELECTRICAL CONTRACTOR SHALL PROVIDE 4" SQUARE DEEP STEEL JUNCTION BOX WITH TWO 1" CONDUITS (OR AS OTHERWISE SPECIFIED ON PLAN, OR BY DATA/TELECOMMUNICATIONS CONTRACTOR) WITH PULL WIRE. STUB CONDUITS ABOVE CEILING LINE AND PROVIDE PLASTIC BUSHINGS ON CONDUIT ENDS. CABLING SHALL BE PULLED AND WIRED BY OTHERS. COORDINATE ALL WORK WITH DATA/TELECOMMUNICATIONS CONTRACTOR PRIOR TO ROUGH-IN.
- ALL DATA AND TELECOMMUNICATIONS CABLING SHALL BE INSTALLED BY TENANT'S VENDOR.
- FOR EACH NEW SINGLE TELEPHONE/DATA OR TV CABLE OUTLET SHOWN MOUNTED IN WALL, ELECTRICAL CONTRACTOR SHALL PROVIDE A 4" SQUARE DOUBLE-RING STEEL JUNCTION BOX WITH CONDUIT TAKE-UP PLASTER RING AND A 3/4" CONDUIT (OR AS OTHERWISE SPECIFIED BY SYSTEM INSTALLER) WITH PULL WIRE. STUB CONDUIT 6" INTO CEILING SPACE AND PROVIDE PLASTIC BUSHINGS. CABLING SHALL BE PULLED BY OTHERS. COORDINATE ALL WORK WITH DATA/TELECOMMUNICATIONS CONTRACTOR PRIOR TO ROUGH-IN.
- IF REQUESTED, ELECTRICAL CONTRACTOR SHALL REMOVE ALL ABANDONED AND UNUSED DATA/TELECOMMUNICATIONS CABLING, CONDUIT, JUNCTION BOXES, AND MANIFOLDERS.

RECORD DOCUMENTS

- RECORD DOCUMENTS: THE ELECTRICAL CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF ALL DEVIATIONS IN WORK AS INSTALLED FROM WORK SPECIFIED ON THE DRAWINGS OR IN THE SPECIFICATIONS AND IDENTIFY ORIGIN OF CHANGE.
- KEEP A COMPLETE SET OF RECORD DOCUMENT PRINTS IN CUSTODY DURING ENTIRE PERIOD OF CONSTRUCTION AT THE CONSTRUCTION SITE. ON COMPLETION OF THE PROJECT, TWO COMPLETE SETS OF MARKED-UP PRINTS SHOWING THESE DEVIATIONS SHALL BE DELIVERED TO GENERAL CONTRACTOR AND ARCHITECT/ENGINEER. THIS CONTRACT WILL NOT BE CONSIDERED COMPLETED UNTIL THESE RECORD DRAWINGS HAVE BEEN RECEIVED AND REVIEWED BY THE ENGINEER.

DEMOLITION

- DURING THE DEMOLITION PHASE OF THIS CONTRACT, IT IS THE RESPONSIBILITY OF THIS CONTRACTOR TO VERIFY DEMOLITION SCOPE AND ITEMS WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS. EXISTING LIGHT FIXTURES, ELECTRICAL DEVICES, EQUIPMENT AND RELATED ITEMS SHALL BE CAREFULLY REMOVED EITHER AS SHOWN ON THE DEMOLITION DRAWINGS AS BEING REMOVED, OR AS REQUIRED FOR THE WORK UNDER THIS CONTRACT. THESE ITEMS SHALL BE TAGGED, PROTECTED FROM DAMAGE, AND STORED AS DIRECTED BY THE BUILDING MANAGEMENT/OWNER, ARCHITECT OR ENGINEER.
- DEMOLITION OR ABANDONING ANY ELECTRICAL AND COMMUNICATIONS CONDUIT, WIRING, CABLING, OR DEVICE MEANS TO REMOVE IN ITS ENTIRETY. REMOVE UNUSED CONDUITS FROM CEILING SPACES IN AREAS OF WORK. ABANDONED OUTLET BOXES SHALL BE REMOVED OR COVERED WITH NEW GYPSUM BOARD. ABANDONED CORE THRU OUTLETS SHALL HAVE COVER PLATES AND BE FILLED WITH FIRE RATED FOAM SEALANT TO MAINTAIN FIRE RATING OF FLOOR.
- EXISTING LIGHT FIXTURES IN WORK AREA, NOTED ON DRAWINGS TO BE RE-USED SHALL BE THOROUGHLY CLEANED AND/OR REFINISHED TO MATCH NEW.
- IF A PRE-ACTION DRY PIPE SPRINKLER SYSTEM IS REQUIRED FOR THIS PROJECT, THE PRE-ACTION FIRE ALARM SYSTEM CONTROL PANEL SHALL BE ANNOUNCED ON THE BUILDING MAIN FIRE ALARM CONTROL PANEL (FACP) IN THE FIRE COMMAND CENTER (FCC).
- IF THE PROJECT REQUIRES A UPS SYSTEM AND COMPUTER ROOM AIR CONDITIONING (CRAC) UNITS, THE UPS SYSTEM AND CRAC UNITS SHALL BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM AND TO THE PRE-ACTION FIRE ALARM CONTROL PANEL. THE UPS SYSTEM, CRAC UNITS, AND FIRE/SMOKE DAMPERS SERVING THE COMPUTER ROOM SHALL BE SHUT DOWN UPON ACTIVATION OF FIRE ALARM SYSTEM. PROVIDE INTERFACE WIRING AS REQUIRED. PROVIDE WIRING FROM CRAC UNIT TO MOISTURE SENSORS OR SITE MONITORING SYSTEM IF IT IS PROVIDED UNDER MECHANICAL CONTROL AND ALARM SECTION. THE CRAC UNITS SHALL SHUT DOWN AND ALARM UPON DUCT DETECTOR ACTIVATION AS PART OF UL SYSTEM. COORDINATE ALL OF THE ABOVE WITH APPROPRIATE UPS, PDU AND CRAC UNIT MANUFACTURERS.
- ASSOCIATED WIRING LOCATED IN THE CEILING SPACE BACK TO POINT OF ORIGIN, UNLESS THE TENANT DATA/TELECOMMUNICATIONS CONTRACTOR IS CONTRACTED TO REMOVE THE DATA/TELECOMMUNICATIONS CABLING UNDER A SEPARATE CONTRACT. THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE APPROPRIATE CONTRACTOR FOR THE REMOVAL OF THE PHONE/DATA CABLING. PRIOR TO DISCONNECTING AND REMOVING ANY EQUIPMENT, DEVICES OR CABLING, THE APPROPRIATE CONTRACTOR SHALL COORDINATE WITH OWNER AND ARCHITECT TO ENSURE EQUIPMENT SHALL BE REMOVED.
- ELECTRICAL CONTRACTOR SHALL VERIFY QUANTITY AND TYPE OF DATA/PHONE/AUDIO/VIDEO PORTS TO BE INCLUDED IN FLOOR POKE-THRU DEVICES WITH DATA/TELECOMMUNICATIONS CONTRACTOR PRIOR TO ORDERING.
- VERIFY ALL SPECIFIC COMPUTER AND COMMUNICATIONS EQUIPMENT REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH IN. COORDINATION SHALL INCLUDE MOUNTING HEIGHTS, CONNECTION TYPE AND POWER REQUIREMENTS. ALL CONDUITS FOR COMPUTER AND COMMUNICATIONS EQUIPMENT SHALL BE IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S AND SUPPLIER'S RECOMMENDATIONS.
- VERIFY ALL SPECIFIC COMPUTER AND COMMUNICATIONS EQUIPMENT REQUIREMENTS WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH IN. COORDINATION SHALL INCLUDE MOUNTING HEIGHTS, CONNECTION TYPE AND POWER REQUIREMENTS. ALL CONDUITS FOR COMPUTER AND COMMUNICATIONS EQUIPMENT SHALL BE IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S AND SUPPLIER'S RECOMMENDATIONS.

MECHANICAL SYSTEM

- ELECTRICAL CONTRACTOR SHALL REVIEW MECHANICAL AND PLUMBING DRAWINGS AND SCHEDULES FOR VERIFICATION OF THE EQUIPMENT USED, WIRING AND ADDITIONAL INSTALLATION REQUIREMENTS PRIOR TO PROVIDING REQUIRED ROUGH-INS. STARTERS/DISCONNECT SWITCHES, WHEN EQUIPMENT DELIVERED TO JOB SITE, ELECTRICAL CONTRACTOR SHALL VERIFY THIS DATA WITH EQUIPMENT NAMEPLATES OR MANUALS IF SIGNIFICANT DISCREPANCIES OCCUR CONTACT ELECTRICAL ENGINEER FOR REVISION OF THE CONSTRUCTION DOCUMENTS.
- PROVIDE ALL REQUIRED OUTLETS; HEAVY-DUTY SAFETY DISCONNECT SWITCHES, FUSES AND CONNECTIONS FOR ALL MECHANICAL EQUIPMENT UNLESS PROVIDED BY MECHANICAL CONTRACTOR AS SPECIFICALLY DIRECTED ON MECHANICAL DRAWING OR SPECIFICATION REQUIREMENTS.
- ELECTRICAL POWER WIRING IN CONNECTION WITH THE AUTOMATIC TEMPERATURE CONTROL SYSTEM, WHERE SHOWN ON THE ELECTRICAL DIVISION DRAWINGS, SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR. THIS CONTRACT WILL NOT BE CONSIDERED COMPLETED UNTIL THESE RECORD DRAWINGS HAVE BEEN RECEIVED AND REVIEWED BY THE ENGINEER.

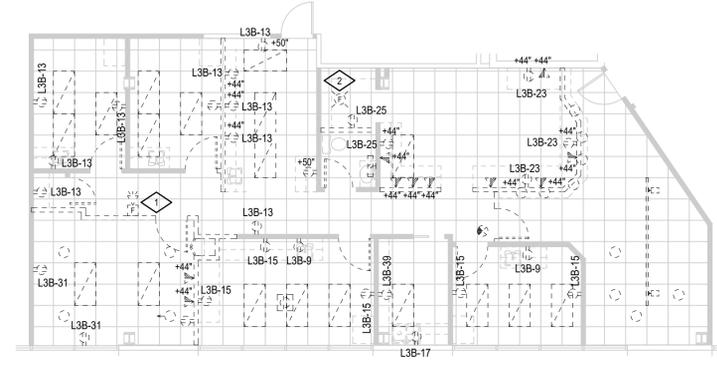
WARRANTY

- PROVIDE COMPLETE WARRANTY INFORMATION FOR EACH ITEM, WHICH SHALL INCLUDE NAME OF PRODUCT OR EQUIPMENT; DATE OF BEGINNING OF WARRANTY OR BOND; DURATION OF WARRANTY OR BOND; AND MANUFACTURER'S, ADDRESS, AND TELEPHONE NUMBERS OF MANUFACTURING/SERVICING PERSONNEL AS WELL AS PROCEDURES FOR FILING A CLAIM AND OBTAINING WARRANTY SERVICES.
- THE CONTRACTOR SHALL WARRANT ALL MATERIALS, WORKMANSHIP AND THE SUCCESSFUL OPERATION OF ALL EQUIPMENT AND APPARATUS INSTALLED FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE ENTIRE WORK AS IDENTIFIED IN THE GENERAL CONDITIONS.

ELECTRICAL SYMBOLS LEGEND

LIGHTING		POWER	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SHADING INDICATES CONNECTION TO EMERGENCY CIRCUIT OR 90-MINUTE BATTERY BACKUP 2x4" LIGHT FIXTURE 2x2" LIGHT FIXTURE 1x4" LIGHT FIXTURE NARROW 4" FIXTURE		JUNCTION BOX DUPLIX RECEPTACLE DEDICATED DUPLIX RECEPTACLE DOUBLE DUPLIX RECEPTACLE DOUBLE DOUBLE RECEPTACLE SPECIAL PURPOSE RECEPTACLE NEW ELECTRICAL PANEL EXISTING ELECTRICAL PANEL DEMO ELECTRICAL PANEL DISCONNECT, NON FUSED DISCONNECT, FUSED PULLBOX TRANSFORMER METER SWITCHBOARD COMBINATION POWER/COMM. FLOOR BOX
	EXIT SIGN EMERGENCY BATTERY PACK FIXTURE NARROW PENDANT FIXTURE PENDANT FIXTURE WALL BRACKET DOWNLIGHT FIXTURE WALL MOUNTED FIXTURE TRACK LIGHTING		
	COMBINATION LIGHT AND EXHAUST FAN PHOTOCCELL		
	SINGLE POLE SWITCH DOUBLE POLE SWITCH THREE WAY SWITCH FOUR WAY SWITCH		
	DIMMER SWITCH KEY SWITCH THERMAL OVERLOAD SWITCH GANGED SWITCHES		
	DIMMER SWITCH KEY SWITCH THERMAL OVERLOAD SWITCH GANGED SWITCHES		
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This sheet of drawings has not been reviewed for code compliance.



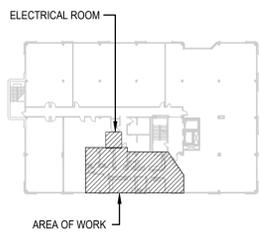
DEMOLITION PLAN

SCALE: 1/8"=1'-0"

- GENERAL NOTES:
- A. REMOVED ITEMS SHOWN AS DASHED AND LIGHT.
 - B. E.C. TO REMOVE ALL ABANDONED CONDUIT/CABLING/WIRING FROM SPACE INCLUDING ABOVE THE CEILING BACK TO SOURCE. ANY CIRCUITS MADE SPARE TO BE TURNED OFF AND LABELED AS SUCH WITH NEW TYPED PANEL SCHEDULES.
 - C. RETURN LIGHTING FIXTURES NOT REUSED TO PROPERTY MANAGEMENT STOCK.
 - D. PROTECT CIRCUITS AFFECTED BY DEMOLITION THAT HAVE DEVICES REMAINING AFTER DEMOLITION.
 - E. PROTECT ANY DEMOLISHED FIRE ALARM DEVICES AND EXIT SIGNS FOR RELOCATION. RETURN ANY UNUSED DEVICES TO BUILDING MANAGEMENT.

DETAIL NOTES

1. EXISTING FIRE ALARM NOTIFICATION DEVICE TO BE RELOCATED. SEE POWER DRAWING FOR NEW LOCATION.
2. EXISTING FIRE ALARM INITIATION DEVICE TO BE REMOVED. UP DATE ZONE INDICATION AND INSURE CONTINUITY OF CIRCUIT TO NEXT INITIATION DEVICE. COORDINATE MODIFICATION WITH FIRE ALARM CONTRACTOR.



KEY PLAN

1411 South Potomac
1411 South Potomac Street
Aurora, CO 80012
Suite 310



Pure Infusion Program

Dates of Record
Project Start Date: 17 Mar 2022
Issued On: 14 July 2022
Issued For: Tenant's Review & Approval, and Construction

SUPPLIED FROM: 75KVA TRANSFORMER

PANEL "L3A" (EXISTING) VOLTAGE 120 / 208 V 3 Ø 4 W
FLUSH M.C.B. 200 A MLO I.G. BAR MANF. SQUARE D
SURFACE X BUS 225 A CU FEED THRU L3B A.I.C. 10 K C.B. BOLTON

TYPE	DESCRIPTION	BKR	CIR	LOAD (VOLT AMPS) / PHASE			CIR	BKR	DESCRIPTION	TYPE
				A	B	C				
R	CORE RCPT	20	1	360	720		2	20	STE 300 EXAM RECEP	R
R	TELE RCPT	20	3		180	720	4	20	STE 300 EXAM RECEP	R
G	EWIC	20	5			350	6	20	STE 300 EXAM RECEP	R
R	STE 300 RECEP	20	7	1080	720		8	20	STE 300 EXAM RECEP	R
L	STE 300 RECEP	20	9		325	720	10	20	STE 300 EXAM RECEP	R
G	EWIC	20	11			1500	12	20	STE 300 TEST RECEP	R
G	-	2P	13	1500	720		14	20	STE 300 TEST RECEP	R
G	FIRE ALARM BOOSTER	20	15		1000	1080	16	20	STE 300 RECEP	R
G	-	2P	17			1000	18	20	STE 300 RECEP	R
L	STE 300 DN LTS	20	19	350	1080		20	20	STE 300 RECEP	R
L	STE 300 DN LTS	20	21		350	720	22	20	STE 320 EXAM RECEP	R
R	STE 300 NURSE LAB	20	23			1080	24	20	STE 320 EXAM RECEP	R
R	STE 300 NURSE LAB	20	25	1080	720		26	20	STE 320 EXAM RECEP	R
K	STE 300 MICROWAVE	20	27		1000	720	28	20	STE 300 EXAM RECEP	R
K	STE 300 DISHWASHER	20	29			1200	30	20	STE 300 TELE	R
K	STE 300 KITCHEN RECEP	20	31	540	750		32	20	STE 320 REFRIGERATOR	K
K	STE 300 DISPOSAL	20	33		864	864	34	20	STE 320 DISPOSAL	K
K	STE 300 REFRIGERATOR	20	35			750	36	20	STE 320 DED RECEP	G
SPARE		20	37	0	500		38	20	STE 320 DED RECEP	G
SPARE		20	39		0	1080	40	20	STE 20 RECEP	R
R	SUITE TELE TERM	20	41			180	42	20	EXISTING RECEP	R
				L3A	10120	9623	11060			
				L3B	25024	20084	17592			
				TOTAL	35144	29707	28652			

LOAD TYPE	CONNECTED KVA			TOTAL ALL PHASES	FACTOR	DEMAND KVA			TOTAL ALL PHASES
	A	B	C			A	B	C	
LIGHTING / EV CHARGERS	0.9	0.7	0.8	2.3	125%	1.1	0.8	1.0	3
RECEPTACLE (10KVA OR LESS)	3.3	3.3	3.3	10.0	100%	3.3	3.3	3.3	10
RECEPTACLE (OVER 10KVA)	17.0	14.3	12.0	43.3	50%	8.5	7.2	6.0	22
HVAC/MOTOR	0.0	0.0	0.0	0.0	100%	0.0	0.0	0.0	0
MOTOR (LARGEST)	0.0	0.0	0.1	0.1	125%	0.0	0.0	0.1	0
KITCHEN EQUIPMENT	4.9	5.1	5.5	15.4	65%	3.2	3.3	3.6	10
MISCELLANEOUS	9.1	6.3	7.0	22.4	100%	9.1	6.3	7.0	22
TOTAL KVA	35.1	29.7	28.7	93.5		25.2	20.9	21.0	67
WITH GROUND BUS						209.6	174.5	174.8	186

LEGEND L = LTG / EV R = RECEPTACLE M = HVAC / MOTOR K = KITCHEN G = MISCELLANEOUS
MAX PERCENT DIFFERENCE BETWEEN PHASES (A,B,C): 18%

1 PANEL SHOWN FOR REFERENCE ONLY.

SUPPLIED FROM: FEED THRU FROM PANEL L3A

PANEL "L3B" (EXISTING) VOLTAGE 120 / 208 V 3 Ø 4 W
FLUSH M.C.B. BUS 225 A CU MLO X I.G. BAR MANF. SQUARE D
SURFACE X FEED THRU L3C A.I.C. 10 K C.B. BOLTON

TYPE	DESCRIPTION	BKR	CIR	LOAD (VOLT AMPS) / PHASE			CIR	BKR	DESCRIPTION	TYPE
				A	B	C				
G	EXISTING	20	1	1080	500		2	20	STE 350 DN LTS	L
G	EXISTING	20	3		1080	900	4	20	STE 300 LAB RECEP	R
L	STE 310 DOWNLIGHTS	20	5			113	6	20	STE 300 LAB RECEP	R
K	STE 310 BREAK RM REFRIG	20	7	750	1080		8	20	STE 350 RECEPS	R
R	STE 310 TREATMENT	20	9		720	1080	10	20	STE 350 RECEPS	R
R	EXISTING	20	11			0	12	20	STE 350 RECEPS	R
R	STE 310 TREATMENT	20	13	1080	180		14	20	STE 350 TELE	R
R	STE 310 TREATMENT	20	15		720	1080	16	20	STE 350 RECEPS	R
K	STE 310 BREAK RM DISPOSAL	20	17			1176	18	20	STE 350 RECEPS	R
R	STE 310 WAITING / TENANT HALLWAY	20	19	900	1000		20	20	STE 350 COPIER	G
R	STE 310 BREAK RM	20	21		180	1080	22	20	STE 350 RECEPS	R
R	STE 310 WAITING / GUEST LOUNGE	20	23			720	24	20	STE 350 MICROWAVE	K
K	STE 310 GUEST LOUNGE REFRIG	20	25	750	864		26	20	STE 350 DISPOSAL	K
R	EXISTING	20	27		0	750	28	20	STE 350 REFRIGERATOR	K
R	STE 310 RECEPTION	20	29			720	30	20	STE 350 EXAM RECEPS	R
R	STE 310 ADA RESTROOM	20	31	900	720		32	20	STE 350 EXAM RECEPS	R
K	STE 310 MED STORAGE REFRIG	20	33		750	864	34	20	STE 350 DISPOSAL	K
K	STE 310 MED STORAGE COUNTER	20	35			360	36	20	STE 350 PROC RECEP	R
G	STE 310 DRYER	30	37	2800	540		38	20	STE 350 PROC TABLE	R
G		2P	39		2800	0	40	20	SPACE	
G	STE 310 WASHER	20	41			1000	42	20	SPACE	
				L3B	13144	12004	9589			
				L3C	11880	8080	8003			
				TOTAL	25024	20084	17592			

LOAD TYPE	CONNECTED KVA			TOTAL ALL PHASES	FACTOR	DEMAND KVA			TOTAL ALL PHASES
	A	B	C			A	B	C	
LIGHTING / EV CHARGERS	0.5	0.0	0.8	1.3	125%	0.6	0.0	1.0	2
RECEPTACLE (10KVA OR LESS)	3.3	3.3	3.3	10.0	100%	3.3	3.3	3.3	10
RECEPTACLE (OVER 10KVA)	10.5	9.1	6.2	25.8	50%	5.3	4.5	3.1	13
HVAC/MOTOR	0.0	0.0	0.0	0.0	100%	0.0	0.0	0.0	0
MOTOR (LARGEST)	0.0	0.0	0.1	0.1	125%	0.0	0.0	0.1	0
KITCHEN EQUIPMENT	3.6	2.4	3.5	9.5	65%	2.3	1.5	2.3	6
MISCELLANEOUS	7.1	5.3	3.6	16.0	100%	7.1	5.3	3.6	16
TOTAL KVA	25.0	20.1	17.6	62.7		18.6	14.7	13.5	47
WITH GROUND BUS						155.3	122.6	112.3	130

LEGEND L = LTG / EV R = RECEPTACLE M = HVAC / MOTOR K = KITCHEN G = MISCELLANEOUS
MAX PERCENT DIFFERENCE BETWEEN PHASES (A,B,C): 30%

1 CIRCUIT REVISED THIS CONTRACT, LOAD REDUCED FROM EXISTING REUSED CIRCUIT.
2 PROVIDE AND INSTALL NEW BREAKER TO MATCH PANEL MANUFACTURER AND AIC RATING, COORDINATE WITH MANUFACTURER'S REP.

SUPPLIED FROM: FEED THRU FROM PANEL L3B

PANEL "L3C" (EXISTING) VOLTAGE 120 / 208 V 3 Ø 4 W
FLUSH M.C.B. BUS 225 A CU MLO X I.G. BAR MANF. SQUARE D
SURFACE X FEED THRU L3C A.I.C. 10 K C.B. BOLTON

TYPE	DESCRIPTION	BKR	CIR	LOAD (VOLT AMPS) / PHASE			CIR	BKR	DESCRIPTION	TYPE
				A	B	C				
R	STE 340 RECEPS	20	1	1080	1080		2	20	TE 340 EXAM RECEPS	R
R	STE 340 RECEPS	20	3		1080	720	4	20	EXISTING LOAD	G
R	STE 340 RECEPS	20	5			1080	6	20	EXISTING LOAD	G
G	STE 340 COPIER	20	7	1000	720		8	20	EXISTING LOAD	G
R	STE 340 TELE BOARD	20	9		360	1080	10	20	STE 340 COMPUTER	R
R	STE 340 TELE RECEP	20	11			360	12	20	STE 340 NIGHT LIGHTS	L
R	STE 330 EXAM RECEPS	20	13	720	900		14	20	DED RECEP 500 NETWORK	R
R	STE 330 EXAM RECEPS	20	15		720	700	16	20	FLOOR DIRECTORY	G
R	STE 330 EXAM RECEPS	20	17			720	18	20	MENS/WOMENS RR DOOR OPENER	G
R	STE 330 EXAM RECEPS	20	19	720	500		20	20	FA PANEL	G
R	STE 330 EXAM RECEPS	20	21		1080	0	22	20	SPACE	
R	STE 330 EXAM RECEPS	20	23		1080	0	24	20	SPACE	
R	STE 330 EXAM RECEPS	20	25	1080	0		26	20	SPACE	
R	STE 330 TELE TERM	20	27		360	0	28	20	SPACE	
G	STE 330 COPIER	20	29			1000	30	20	SPACE	
R	STE 330 RECEPS	20	31	1080	1200		32	20	STE 310 BRK RM CNTR & MICROWVE	K 1,2
R	STE 330 RECEPS	20	33		1080	180	34	20	STE 310 TELEPHONE BKBD	R 1,2
K	STE 330 MICROWAVE	20	35			1000	36	20	STE 310 BLOWER FAN BF-1	M 1,2
R	STE 300 RECEPS	20	37	1080	720		38	20	STE 310 RECEP	R 1,2
SPACE		20	39		0	720	40	20	STE 310 RECEP	R 1,2
SPACE		20	41			0	42	20	STE 310 RECEP	R 1,2
				11890	8080	8003				

LOAD TYPE	CONNECTED KVA			TOTAL ALL PHASES	FACTOR	DEMAND KVA			TOTAL ALL PHASES
	A	B	C			A	B	C	
LIGHTING / EV CHARGERS	0.0	0.0	0.7	0.7	125%	0.0	0.0	0.9	1
RECEPTACLE (10KVA OR LESS)	3.3	3.3	3.3	10.0	100%	3.3	3.3	3.3	10
RECEPTACLE (OVER 10KVA)	5.1	3.3	0.3	8.7	50%	2.6	1.7	0.1	4
HVAC/MOTOR	0.0	0.0	0.0	0.0	100%	0.0	0.0	0.0	0
MOTOR (LARGEST)	0.0	0.0	0.1	0.1	125%	0.0	0.0	0.1	0
KITCHEN EQUIPMENT	1.2	0.0	1.0	2.2	100%	1.2	0.0	1.0	2
MISCELLANEOUS	2.2	1.4	2.6	6.3	100%	2.2	1.4	2.6	6
TOTAL KVA	11.9	8.1	8.0	28.0		9.3	6.4	8.1	24
WITH GROUND BUS						77.6	53.5	67.2	66

LEGEND L = LTG / EV R = RECEPTACLE M = HVAC / MOTOR K = KITCHEN G = MISCELLANEOUS
MAX PERCENT DIFFERENCE BETWEEN PHASES (A,B,C): 33%

1 CIRCUIT REVISED THIS CONTRACT, LOAD ADDED TO PREVIOUSLY SPARE BREAKER.
2 PROVIDE AND INSTALL NEW BREAKER TO MATCH PANEL MANUFACTURER AND AIC RATING, COORDINATE WITH MANUFACTURER'S REP.

3PH FAULT CALCULATION

POINT #1, AT THE 75KVA TRANSFORMER:

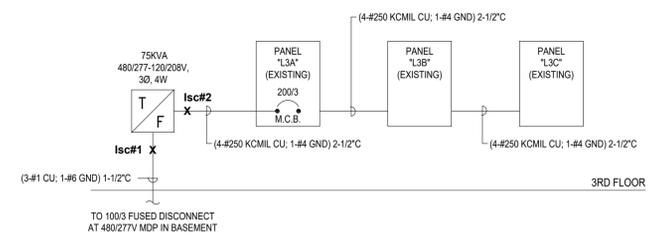
$$I_{sc} = \frac{100,000}{\sqrt{3}} A \text{ (WORST CASE)}$$

POINT #2, THROUGH THE TRANSFORMER:

$$f = \frac{[I_p \times V_p \times 73 \times \%2 / 100,000 \times KVA]}{100,000 \times 75 \text{ KVA}} \times 3.00$$

$$f = \frac{[100,000 \text{ A} \times 480 \text{ V} \times 1.73 \times 3.00]}{100,000 \times 75 \text{ KVA}} = 33.22$$

$$M = 1 / 1 + f = 1 / 1 + 33.22 = 0.03$$

$$I_{sc} = \frac{(V_p / V_s) \times M \times I_{sc}}{480 \text{ V} / 208 \text{ V} \times 0.03 \times 100,000 \text{ A}} = 6,744 \text{ A}$$


PARTIAL EXISTING ONE-LINE DIAGRAM
SCALE: NONE (NO NEW WORK)

Install electrical connections per 2020 NEC 110.14, Identify disconnects per 2020 NEC 110.22 and provide working space around Electrical equipment per 2020 NEC 110.26

Every circuit and circuit modification shall be legibly identified as to it's clear, evident and specific purpose or use. The identification shall include an approved degree of detail that allows each circuit to be distinguished from all others. 2020 NEC 408.4



1411 South Potomac
1411 South Potomac Street
Aurora, CO 80012
Suite 310



Pure Infusion Program

Dates of Record
Project Start Date: 17 Mar 2022
Issued On: Issued For:
14 July 2022 Tenant's Review & Approval,
and Construction



City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: R. Lowman
Date: Aug 01, 2022
2015 INTERNATIONAL CODES & 2020 NEC

COMcheck Software Version COMcheckWeb
Interior Lighting Compliance Certificate

Project Information
Energy Code: 2015 IECC
Project Title: Pure Infusion Program
Project Type: Alteration

Construction Site: 1411 S. Potomac #310 Aurora, Colorado 80012
Owner/Agent:
Designer/Contractor: Michael Casados, Corey Electrical Engineers, 7822 S. Wheeling Ct #8 Englewood, Colorado 80112, 303-696-1257, mcasados@coreyeng.com

Allowed Interior Lighting Power	A Area Category	B Floor Area (ft ²)	C Allowed Watts / ft ²	D Allowed Watts
1-Health Care (Health Care-Clinic)		1657	0.90	1491
Total Allowed Watts =				1491

Proposed Interior Lighting Power	A Fixture ID / Description / Lamp / Wattage Per Lamp / Ballast	B Lamps / Fixture	C # of Fixture	D Fixture Watt.	E (C X D)
Health Care (Health Care-Clinic, 1657 sq.ft.)					
	LED: A: Recessed Troffer: LED Panel 33W:	1	26	32	824
	LED: C: Downlight: LED PAR 10W:	1	8	10	83
	Incandescent: D: Pendant: Incandescent 60W:	1	4	60	240
	LED: B: Vanity: LED Other Fixture Unit 16W:	1	1	19	19
Total Proposed Watts =				1166	

Interior Lighting PASSES

Interior Lighting Compliance Statement
Compliance Statement: The proposed interior lighting alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 2015 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Michael Casados, Michael Casados, 07/14/2022
Name - Title, Signature, Date

Project Title: Pure Infusion Program, Report date: 07/14/22
Data filename: Page 1 of 4

COMcheck Software Version COMcheckWeb
Inspection Checklist
Energy Code: 2015 IECC

Requirements: 100.0% were addressed directly in the COMcheck software
Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

Section # & Req-ID	Plan Review	Complies?	Comments/Assumptions
C103.2 [PR4] 1	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the interior lighting and electrical systems and equipment and document where exceptions to the standard are claimed. Information provided should include interior lighting power calculations, wattage of bulbs and ballasts, transformers and control devices.	<input checked="" type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 | High Impact (Tier 1) | 2 | Medium Impact (Tier 2) | 3 | Low Impact (Tier 3)

Project Title: Pure Infusion Program, Report date: 07/14/22
Data filename: Page 2 of 4

Section # & Req-ID	Rough-In Electrical Inspection	Complies?	Comments/Assumptions
C405.2.1 [EL13] 1	Lighting controls installed to uniformly reduce the lighting load by at least 50%.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 [EL18] 2	Occupancy sensors installed in required spaces.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.1 [EL23] 3	Independent lighting controls installed per approved lighting plans and all manual controls readily accessible and visible to occupants.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.2 [EL22] 1	Automatic controls to shut off all building lighting installed in all buildings.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.3 [EL16] 1	Daylight zones provided with individual controls that control the lights independent of general area lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.3 [EL20] 1	Primary sidelighted areas are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.3 [EL21] 1	Enclosed spaces with daylight area under skylights and rooftop monitors are equipped with required lighting controls.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.4 [EL4] 1	Separate lighting control devices for specific uses installed per approved lighting plans.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.2.4 [EL8] 1	Additional interior lighting power allowed for special functions per the approved lighting plans and is automatically controlled and separated from general lighting.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.3 [EL6] 1	Exit signs do not exceed 5 watts per face.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 | High Impact (Tier 1) | 2 | Medium Impact (Tier 2) | 3 | Low Impact (Tier 3)

Project Title: Pure Infusion Program, Report date: 07/14/22
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Section # & Req-ID	Final Inspection	Complies?	Comments/Assumptions
C408.2.5 [F17] 1	Furnished O&M instructions for systems and equipment to the building owner or designated representative.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C405.4.1 [F18] 1	Interior installed lamp and fixture lighting power is consistent with what is shown on the approved lighting plans, demonstrating proposed watts are less than or equal to allowed watts.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	See the Interior Lighting fixture schedule for values.
C408.2.5 [F16] 1	Furnished as-built drawings for electric power systems within 90 days of system acceptance.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.
C408.3 [F13] 1	Lighting systems have been tested to ensure proper calibration, adjustment, programming, and operation.	<input type="checkbox"/> Complies <input type="checkbox"/> Does Not <input type="checkbox"/> Not Observable <input type="checkbox"/> Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 | High Impact (Tier 1) | 2 | Medium Impact (Tier 2) | 3 | Low Impact (Tier 3)

Project Title: Pure Infusion Program, Report date: 07/14/22
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Pure Infusion Program

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Project Start Date: 17 Mar 2022
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