

Sheet D1.0 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 remain and be re-used are as follows: carpet, resilient flooring, base trim, wall treatments.
4. **FINISH TREATMENTS** scheduled to be removed are as follows: carpet, resilient flooring, base trim, wall treatments.
5. **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.
6. **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.
7. **CLEAN AND REPAIR:** Verify condition of all materials scheduled for demolition and re-use where possible. Clean and/or repair materials as needed.
8. **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.
9. **PATCHING:** Remove all unused sleeves through the floor slab and fill/patch all penetrations.
10. **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.
11. **PIPES AND CONDUITS:** All pipes and conduit in partitions scheduled for demolition shall be removed entirely when not scheduled for re-use.
12. **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.
13. **TELEPHONE/DATA REMOVAL:** Unless otherwise indicated on the drawings, remove all existing telephone equipment and/or components not currently in use.

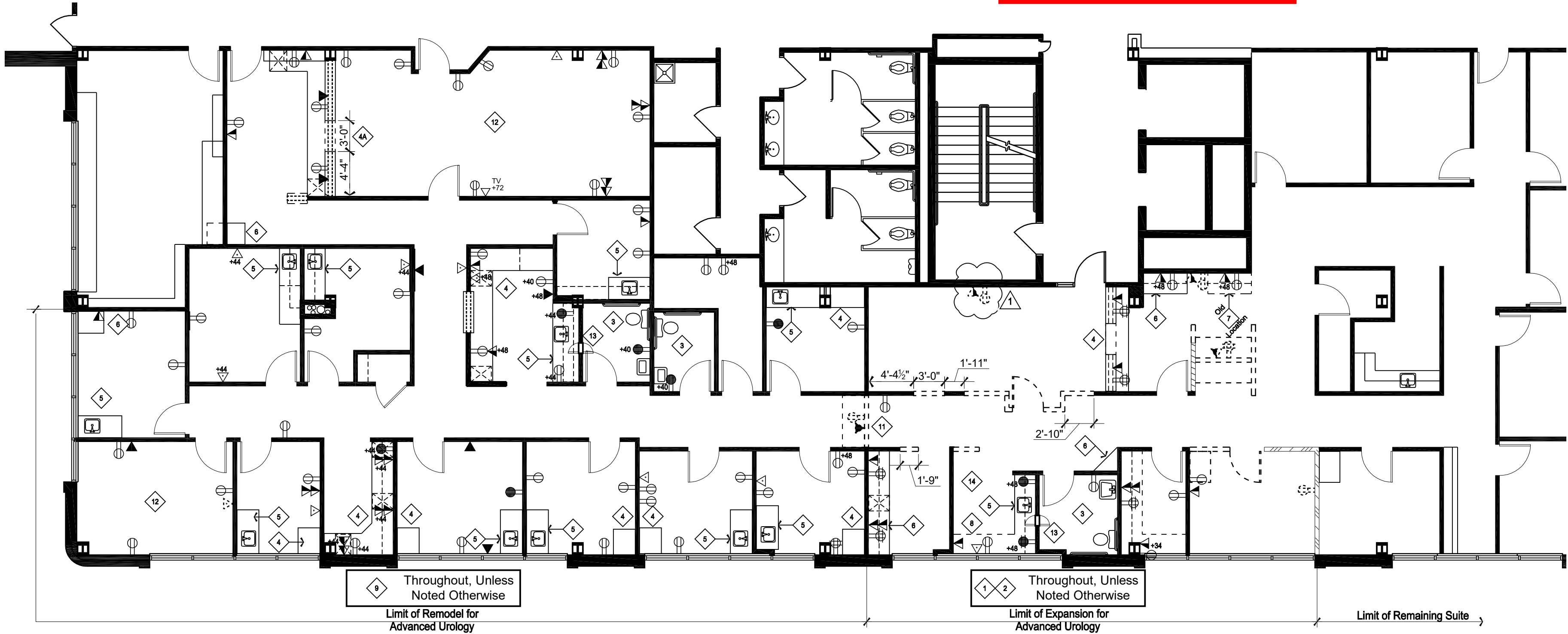
Demolition Legend

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.
EXISTING PARTITIONS TO BE REWORKED. Refer to Construction Plan

Symbol Legend

- Ceiling Mounted Fixtures/ Devices**
- Building Standard 2x4 fluorescent light fixture
 - Recessed fluorescent downlight fixture
 - Wall mounted fluorescent light fixture
 - Track mounted light fixture
 - 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**
- Building Standard single pole switch
 - Duplex electrical receptacle & face plate
 - Quadplex electrical receptacle & face plate
 - Duplex electrical receptacle & face plate on dedicated circuit
 - Existing Junction box with blank face plate
 - Combination telephony/ data outlet rough-in (1/2"Ø conduit) w/ double gang J-box and single gang plaster ring with pull string to above finished ceiling.
- Refer to Engineering Drawings for complete specifications

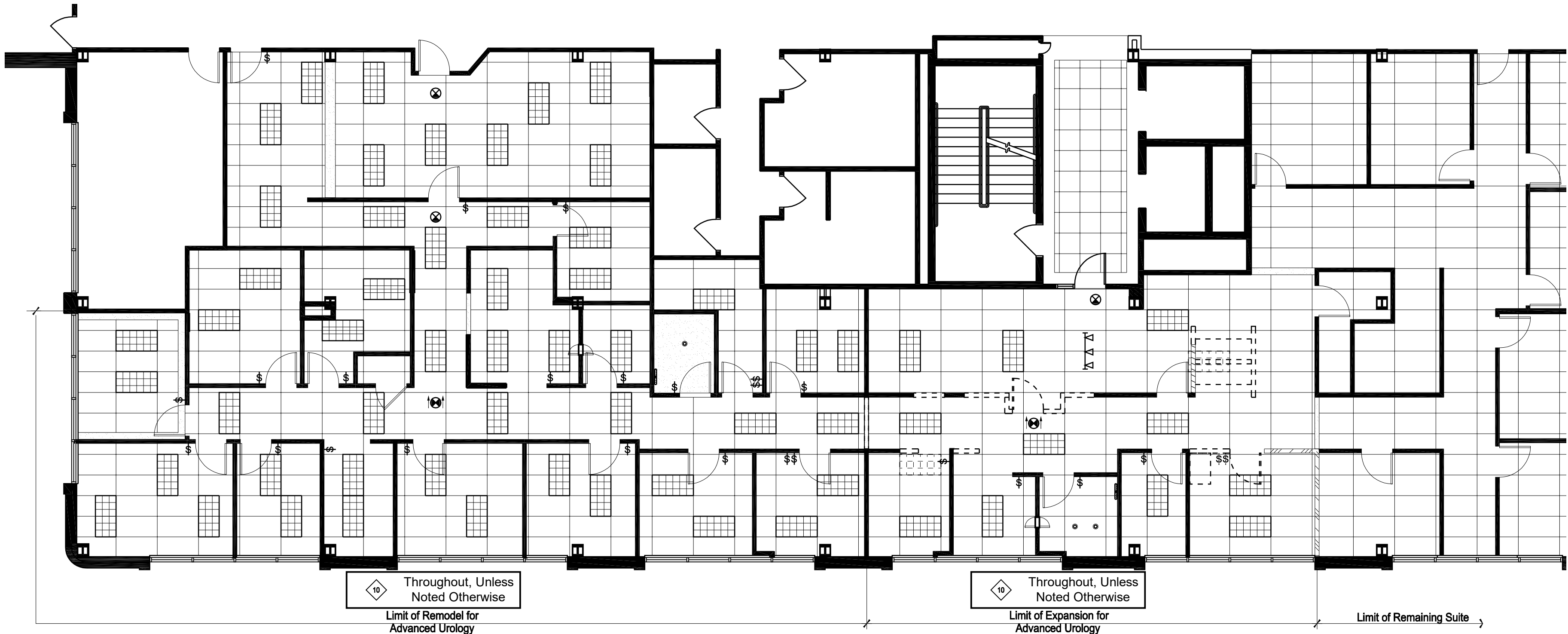


1 Demolition Plan
Suite 210

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



TYP
CALL ALL INSPECTIONS UNDER ORIGINAL
PERMIT # 20-1845823-LT



2 Demolition Ceiling Plan
Suite 210

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



Sheet Keyed Notes

- Remove all existing plastic bins at existing doors. Repair/stain door as required.
- REMOVE FLOORCOVERING & BASE trim THROUGHOUT Limit of Expansion (UNO) and prepare to receive the specified finish treatments.
- EXISTING RESTROOM to remain. Clean and/or repair fixtures/ accessories as necessary. Field verify existing conditions for extent of work.
- EXISTING BUILT-IN DESK to remain. Clean and/or repair to "like new" conditions as possible.
- EXISTING BUILT-IN DESK to remain. Modify existing transaction top/countertop to incorporate 36" w. ADA accessibility. Refer also to Keynote 1 on sheet A1.0 for alternate scope of work.
- EXISTING MILLWORK & PLUMBING fixtures to remain. Clean and/or repair to "like new" conditions as possible. The General Contractor shall field verify all existing plumbing fixtures (sink, water heater, etc.) and ensure proper working condition. Provide new fixture(s) only as necessary.
- EXISTING MILLWORK to remain. Clean and/or repair to "like new" conditions as possible.
- RELOCATE(D) MILLWORK. Remove millwork at "Old Location" and re-install at "New Location" as shown, reworking as necessary due to new configuration. Match existing construction method and materials. Replace any components which cannot be salvaged. Field verify existing conditions for extent of work. Refer to keynote #7 on sheet A1.0
- Remove portion of millwork where indicated. Patch/repair where existing to remain.
- EXISTING FINISH TREATMENTS, including floorcovering, base trim, wallcoverings, and window treatments to remain throughout Limit of Remodel (UNO). Patch, repair, and/or replace only as necessary due to remodel work.
- EXISTING CEILING to remain. The suspended grid and acoustical ceiling tile 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.
- Demolish/modify wall to create gyp.bd. header. Bottom of header to align with lowest level of finished ceiling.
- Remove flooring and base where indicated. Prep floor and wall as required to receive new finishes.
- Existing specimen pass-thru window to remain. Clean and/or repair to "like new" conditions as possible.
- Remove existing sheet vinyl flooring. Prep floor to receive new flooring.

Page 1 of 9

TPS

TENANT PLANNING SERVICES INCORPORATED

1660 Lincoln St, Ste. 100
Denver, Colorado 80264
(303) 861-4800
fax (303) 861-1621
www.TPS.design

1411 S. Potomac

1411 South Potomac
Aurora, CO 80012
Suite 210

COLORADO LICENSED
ARCHITECT
400450
10.01.2020

Advanced Urology Expansion

Dates of Record
Project Start Date: 27 August 2019

Issued On: 5 Aug 2020
Issued For: Tenant Review & Approval; and Construction

28 Sep 2020 Tenant Revisions & Approval (Revised by MW) and Construction

Sheet: Demolition Plan
Contents: Demolition Ceiling Plan
Project #: 426008.01
Title: GBS
Designer: AC
Checker: JWMH
Drawn by: GBS

Sheet A1.0 Plan Notes

1. Refer to General Notes for additional requirements.
2. **DOOR ASSEMBLIES:**
 - 2.1. All assemblies shown on the drawings and not referenced to the Door Schedule are existing to remain (unless noted otherwise).
 - 2.2. 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.
 - 2.3. 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.
3. **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:
 - 3.1. Sound attenuation in walls shall be unfaced fiberglass, 16" to 24" wide to correspond with stud width.
 - 3.2. Thermal insulation in walls shall be Kraft faced fiberglass, 16" to 24" wide, with R-13 thermal value.
 - 3.3. Sound attenuation in ceilings shall be foil faced fiberglass, 24" wide, acceptable for use in return air plenums.
4. **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.
5. **PARTITIONS:** Conform to the following:
 - 5.1. Partitions shall be erected plumb and true.
 - 5.2. 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.
 - 5.3. Skim coat existing partitions as needed.
 - 5.4. All exposed corners shall be fitted with metal corner bead and top of walls at underside of suspended ceilings shall be straight and true.
 - 5.5. 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.
6. **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.

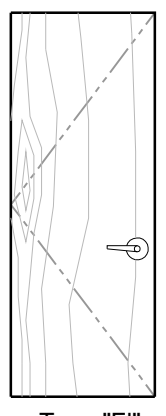
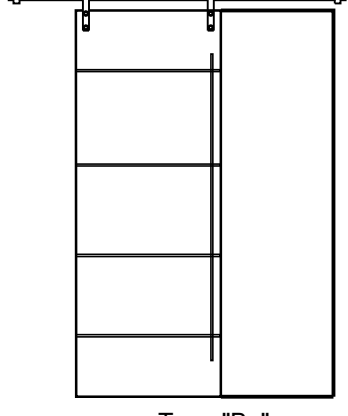
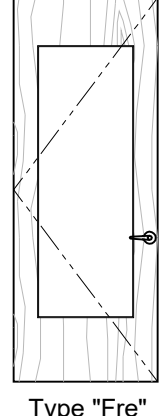
Door Schedule'

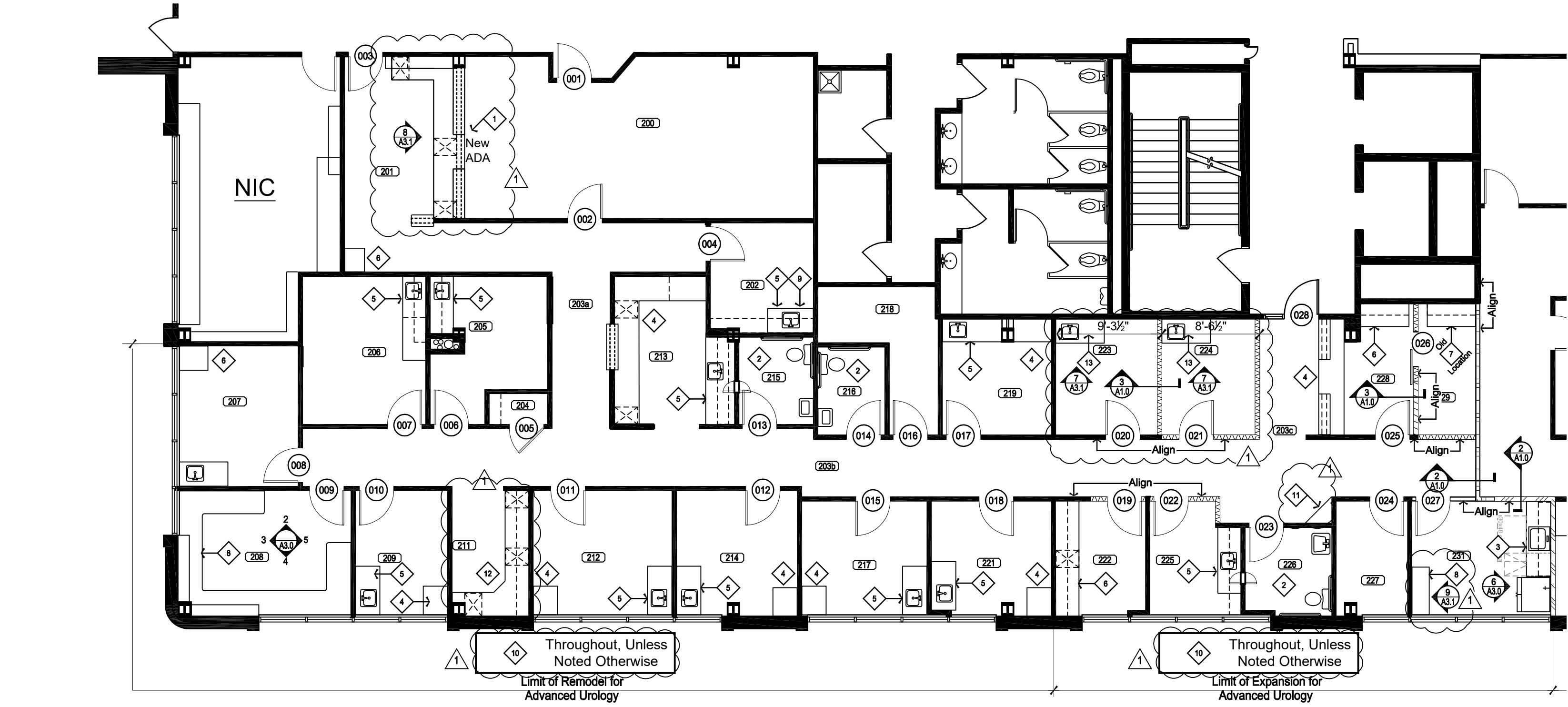
Mark	State ²	DOOR				FRAME			HARDWARE		Remarks	Mark	
		Type	Leaf Size	Material	Finish	FRR ³	Material	Finish	FRR ³	Latch Func.			Additional Components
001	E	Fre	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	H.M.	Paint	None	2	CI	ETR	001
002	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	CI, Cyp	ETR	002
003	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	H.M.	Paint	None	2	CI, Cyp	ETR	003
004	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	ETR	004
005	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	2	Gr	ETR	005
006	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	ETR	006
007	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	ETR	007
008	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	ETR	008
009	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	--	--	ETR	009
009	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	--	--	ETR	009
010	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	ETR	010
011	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	ETR	011
012	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	ETR	012
013	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	3	--	ETR	013
014	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	3	--	ETR	014
015	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	ETR	015
016	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	ETR	016
017	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	ETR	017
018	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	ETR	018
019	N/R	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	--	019
020	N/R	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	--	020
021	N/R	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	--	021
022	N/R	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	--	022
023	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	3	--	ETR	023
024	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	ETR	024
025	E	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	ETR	025
026	N	Ba	3'-0" x 7'-0" x 1 3/4"	S.C.Wood	Stained	None	Gyp. Bd.	Paint	None	4	Barn	--	026
027	N/R	FI	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	Timely	Prefinished	None	1	--	--	027
028	E	Fre	3'-0" x 6'-8" x 1 3/4"	S.C.Wood	Stained	None	H.M.	Paint	None	2	CI	ETR	028

¹ 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 404.2.9 and IBC.

² State:
E = Existing to remain. Assume proper working condition.
N = Provide New Door, Frame or Hardware in its entirety.
N/R = Provide New OR Relocate salvaged Door, Frame or Hardware if available. Determine available components in field.

³ Rating: Minimum Fire-resistive Rating (per UL) required in minutes

Door, Frame, and Hardware Specifications	Latch Function Legend	Additional Hardware Components Legend
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. 1.6 Type II adhesive, solid core, flush slab style. (The General Contractor shall confirm the Building Standard specifications and match accordingly.)	Hardware shall meet Building Standard specifications. 1 Passage 2 Keyed Lockset 3 Privacy 4 Wire Pulls	Hardware shall meet Building Standard specifications, with finish to match existing. Barn Surface Sliding ("Barn") Door Assembly Hardware: CI Closer, Automatic Door (1 per leaf) Cyp Cypher lock Gr Grille; J&J Prefinished register door transfer grille model AL-700A. Center in door with bottom at 9" AFF.
Door Frames: Entry/Exit: Hollow Metal Interior: Prefinished Timber (The General Contractor shall confirm the Building Standard specifications and match accordingly.)	Door Types	
Hardware: Hardware shall meet Building Standard specifications, with finish to match existing.	  	
Standard hardware to be included with every door in the Door Schedule shall include: - Latcheset: 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 (locks). Coordinate with Tenant and Building Management on labeling numbers.		



1 Construction Plan

Suite 210

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



Wall Legend

- EXISTING PARTITION** to remain.
- EXISTING PARTIAL HEIGHT PARTITION** (Shown underneath a millwork surface) to remain.
- EXISTING PARTITION TO BE REWORKED** as a Demising Partition: (See below)
- Re: 2/A1.0
- NEW DEMISING PARTITION.** Non-rated assembly, 20 gauge 3-5/8" metal studs at 24" o.c. floor to structure above with 5/8" gypsum board floor to 10" below structure above (for return air transfer) and 3-5/8" fiberglass sound attenuation batts floor to finished ceiling height. Match Building Standard.
- Re: 2/A1.0
- EXISTING PARTITION TO BE REWORKED** as a Sound Attenuated Partition: (See below)
- Re: 3/A1.0
- 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 and 3-5/8" fiberglass sound attenuation batts floor to 6" above finished ceiling. Match Building Standard.
- Re: 3/A1.0

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

2 Partition: Interior

Below Deck - Sound

Scale: 1 1/2" = 1'-0"

3 Partition: Interior

Above Ceiling - Sound

Scale: 1 1/2" = 1'-0"

Room Schedule

200	Exist. Waiting	216	Exist. Restroom
201	Exist. Reception	217	Exist. Exam
202	Existing Lab	218	Exist. Storage
203	Exist. Hallway	219	Exist. Exam
204	Exist. IT Closet	220	----
205	Exist. Exam	221	Exist. Exam
206	Exist. Exam	222	Office
207	Exist. Exam	223	Exam
208	Exist. Office	224	Exam
209	Exist. Exam	225	Ultrasound
210	----	226	Exist. Restroom
211	Exist. MA Area	227	Exam
212	Exist. Exam	228	Check-out
213	Exist. Exam	229	Admin.
214	Exist. Exam	230	----
215	Exist. Restroom	231	Break Room

Sheet Keyed Notes

- EXISTING BUILT-IN DESK to remain and modified to incorporate 36" w. ADA accessible countertop portion at 30" AFF. Provide alternate/separate line item cost for:
- New 12" d. quartz transaction tops
- New plastic laminate faced worksurface with self edge in same configuration and 3" dia. plastic grommets
- (3) New 18" w. plastic laminate faced box/box/file cabinets
- New zero-clearance metal support brackets
- EXISTING RESTROOM to remain. Clean and/or repair fixtures/ accessories as necessary. Field verify existing conditions for extent of work.
- NEW MILLWORK AND PLUMBING. Refer to elevations, details and plumbing drawings.
- EXISTING BUILT-IN DESK to remain. Clean and/or repair to "like new" conditions as possible.
- EXISTING MILLWORK & PLUMBING fixtures to remain. Clean and/or repair to "like new" conditions as possible. The General Contractor shall field verify all existing plumbing fixtures (sink, water heater, etc.) and ensure proper working condition. Provide new fixture(s) only as necessary.
- EXISTING MILLWORK to remain. Clean and/or repair to "like new" conditions as possible.
- RELOCATE(D) MILLWORK. Remove millwork at "Old Location" and re-install at "New Location" as shown, reworking as necessary due to new configuration. Match existing construction method and materials. Replace any components which cannot be salvaged. Field verify existing conditions for extent of work.
- NEW MILLWORK. Refer to elevations and details.
- At Existing Lab 202, provide an eyeshaw to existing faucet. Refer to plumbing drawings.
- Provide the following as alternates with separate line item cost:
- NEW CORNER GUARD. Provide new 1/2" x 1/2" x 48" h. stainless steel corner guards throughout Limit Remodel and Limit of Expansion.
- Replace plastic laminate countertop with new quartz countertop in same configuration.
- Provide new plastic laminate faced worksurface and box/box/file cabinets. Match existing configurations.
- NEW MILLWORK AND PLUMBING. Refer to elevations/details and plumbing drawings.

project start date: 27 August 2019
dwg create date: 9/28/2020 9:25:02 AM
dwg save date: 9/28/2020 9:25:02 AM
pjt create date: 9/30/2020 1:37:25 PM
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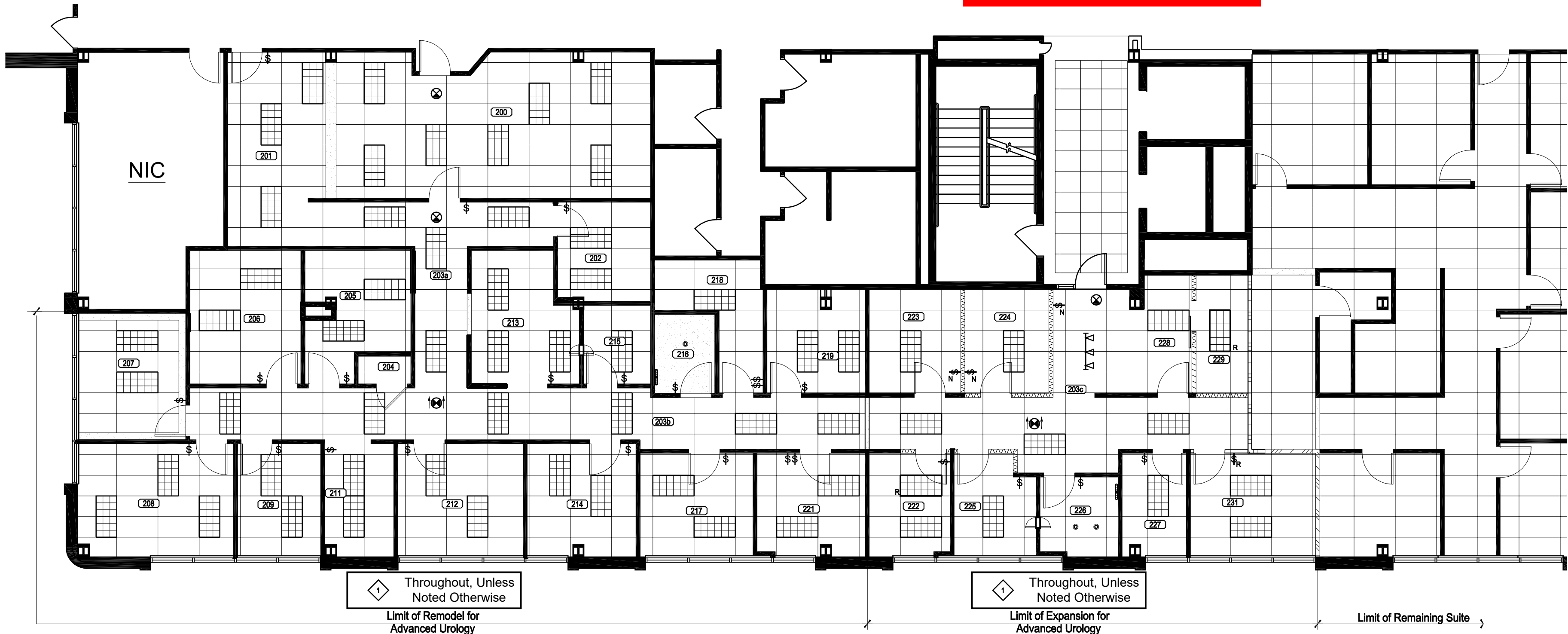
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Sheet A2.0 Plan Notes

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 or individually cut-in at rooms or areas. Refer to drawings for specific requirements.
 - 2.6. All tiles shall be seated tight, level and true within the grid system.
3. **CEILING HEIGHT:** 8'-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 to be assumed existing to remain (unless noted otherwise).
 - 'R' indicates relocated fixture or device
 - 'N' indicates new 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. **PROVIDE ELECTRICAL POWER AND COMMUNICATIONS OUTLETS,** receptacles and devices indicated on the drawings.
 - 8.1. Refer to symbols legend for device type and/or specification.
 - 8.2. Install in locations as shown on the drawings.
 - 8.3. 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).
 - 8.4. Unless noted otherwise, all electrical power and communications outlets, receptacles and devices are dimensioned to the centerline of the device or pair of devices.
 - 8.5. Confirm a/l box locations with Tenant prior to wiring.
 - 8.6. 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.
 - 8.7. 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).
 - 8.8. Outlets shall not be installed back to back in sound insulated partition.
 - 8.9. 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.
 - 8.10. All electrical power and communications outlets, receptacles and devices shown throughout are to be assumed existing to remain (unless noted otherwise).
 - 'R' indicates relocated outlet or device
 - 'N' indicates new fixture or device
9. **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: match existing
10. **COMMUNICATION/ DATA OUTLETS** shall conform to the following:
 - 10.1. 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.
 - 10.2. When inaccessible by the method described above or when indicated on the drawings, include one (1) ¾" conduit (min.) and 2" deep single gang box for outlet.
 - 10.3. 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) ¾" conduit.
 - 10.4. 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.

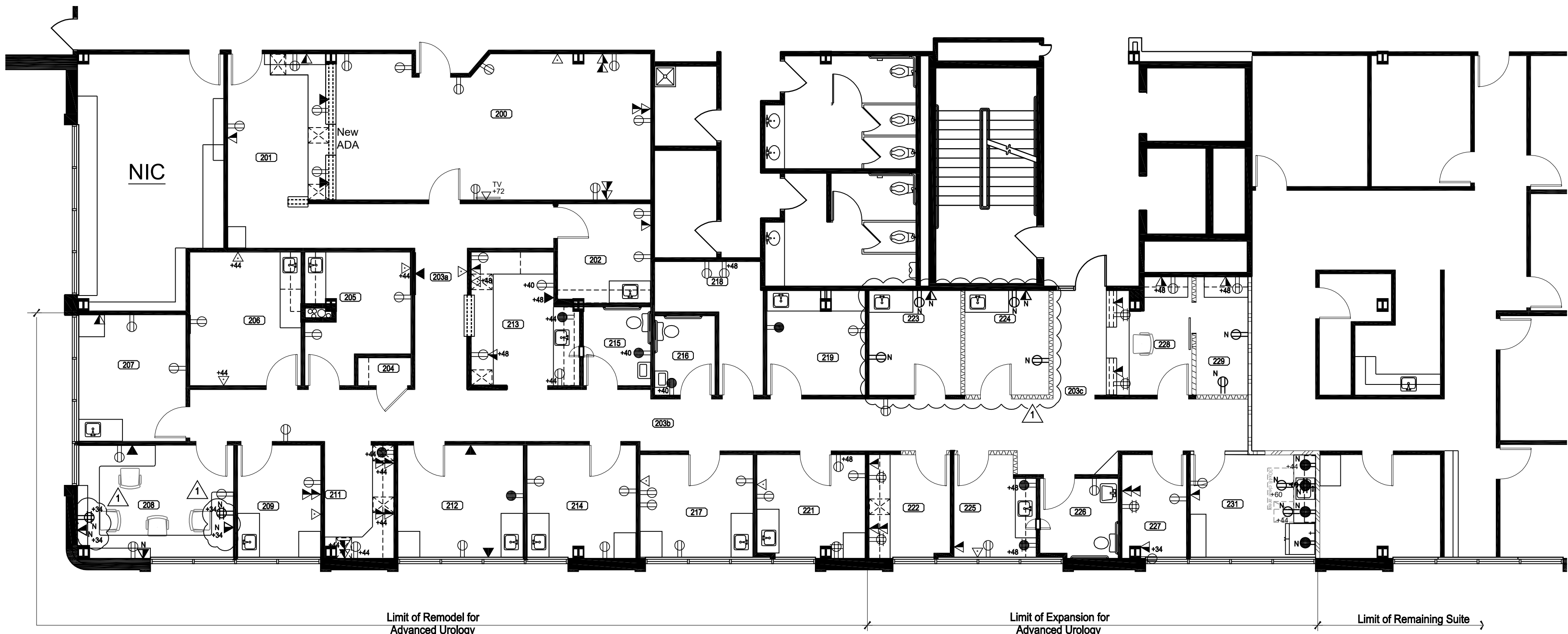


City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: **John Lichtner**
Date: **Oct 06, 2020**
2015 INTERNATIONAL CODES & 2020 NEC



1 Construction Plan
Suite 210

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



1 Construction Plan
Suite 210

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



Room Schedule

200	Exist. Waiting	216	Exist. Restroom
201	Exist. Reception	217	Exist. Exam
202	Existing Lab	218	Exist. Storage
203	Exist. Hallway	219	Exist. Exam
204	Exist. IT Closet	220	----
205	Exist. Exam	221	Exist. Exam
206	Exist. Exam	222	Office
207	Exist. Exam	223	Exam
208	Exist. Office	224	Exam
209	Exist. Exam	225	Ultrasound
210	----	226	Exist. Restroom
211	Exist. MA Area	227	Exam
212	Exist. Exam	228	Check-out
213	Exist. Exam	229	Admin.
214	Exist. Exam	230	----
215	Exist. Restroom	231	Break Room

Sheet Keyed Notes

- EXISTING CEILING to remain. The suspended grid and acoustical ceiling tile 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.

Symbol Legend

Ceiling Mounted Fixtures/ Devices

- Building Standard 2x4 fluorescent light fixture
- Recessed fluorescent downlight fixture
- Wall mounted fluorescent light fixture
- Track mounted light fixture
- 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

- Building Standard single pole switch
- Duplex electrical receptacle & face plate
- Quadplex electrical receptacle & face plate
- Duplex electrical receptacle & face plate on dedicated circuit
- Existing Junction box with blank face plate
- Combination telephony/ data outlet rough-in (¾"Ø conduit) w/ double gang J-box and single gang plaster ring with pull string to above finished ceiling.

Refer to Engineering Drawings for complete specifications

Page 3 of 9
TPS
TENANT PLANNING SERVICES INCORPORATED
1660 Lincoln St, Ste. 100
Denver, Colorado 80264
(303) 861-4800
fax (303) 861-1621
www.TPS.design

1411 S. Potomac
1411 South Potomac
Aurora, CO 80012
Suite 210



Advanced Urology Expansion

Dates of Record

Project Start Date: 27 August 2019

Issued On: Issued For:
5 Aug 2020 Tenant Review & Approval; and Construction

28 Sep 2020 Tenant Revisions & Approval (Reviewed by MH) and Construction

Sheet Contents
Reflected Ceiling Plan, Power & Communications Plan
Project # 426008.01
Drawn By: JWM/H
Checked By: GBS

A2.0

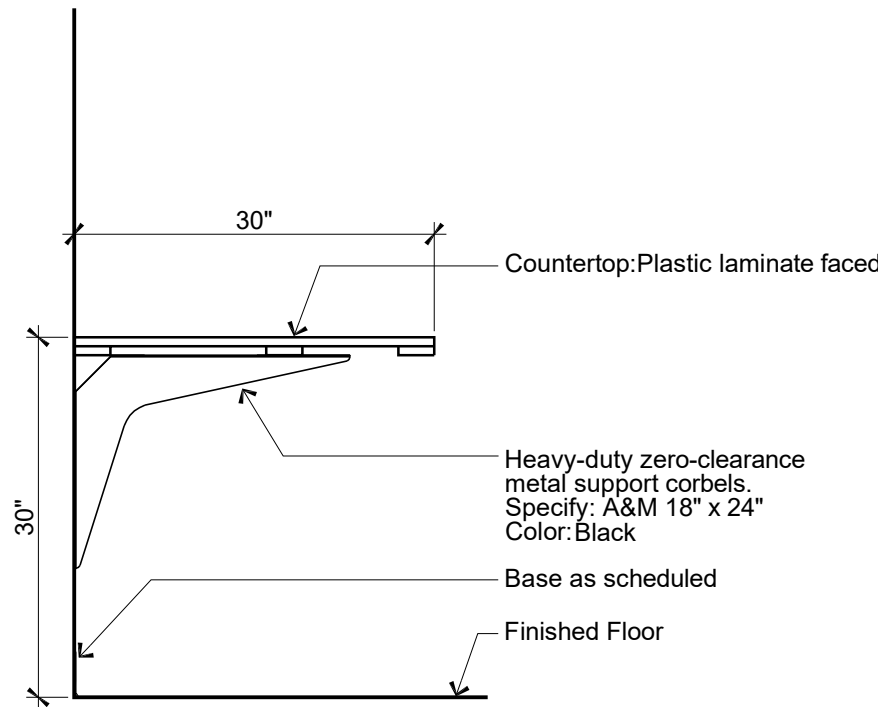
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By: May Her (p/aut cad: AS.1)

1411 S. Potomac • Advanced Urology

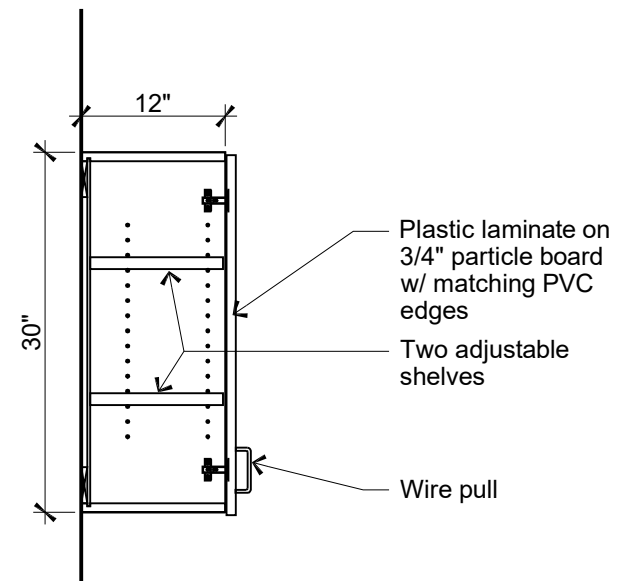
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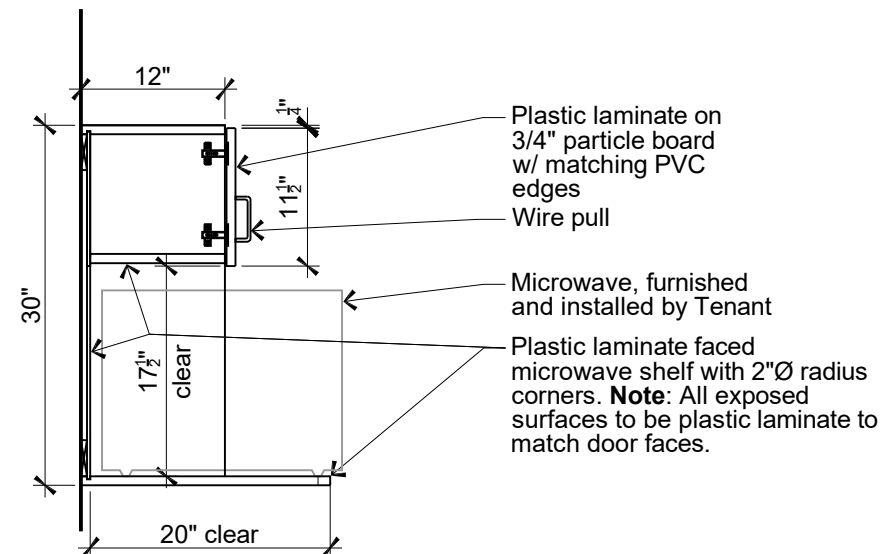
City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: **John Lichtner**
Date: **Oct 06, 2020**
2015 INTERNATIONAL CODES & 2020 NEC



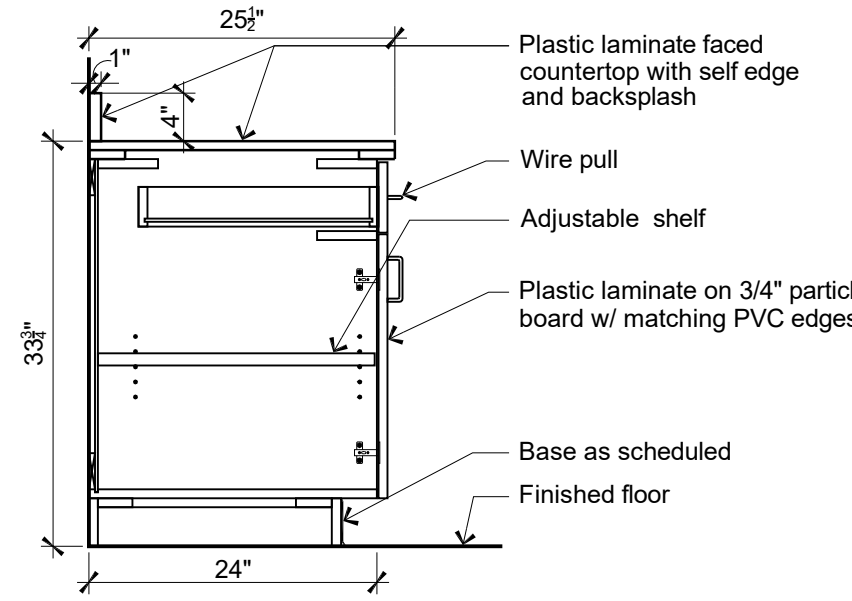
1 Section: Millwork
Work Surface Scale: 3/4" = 1'-0"



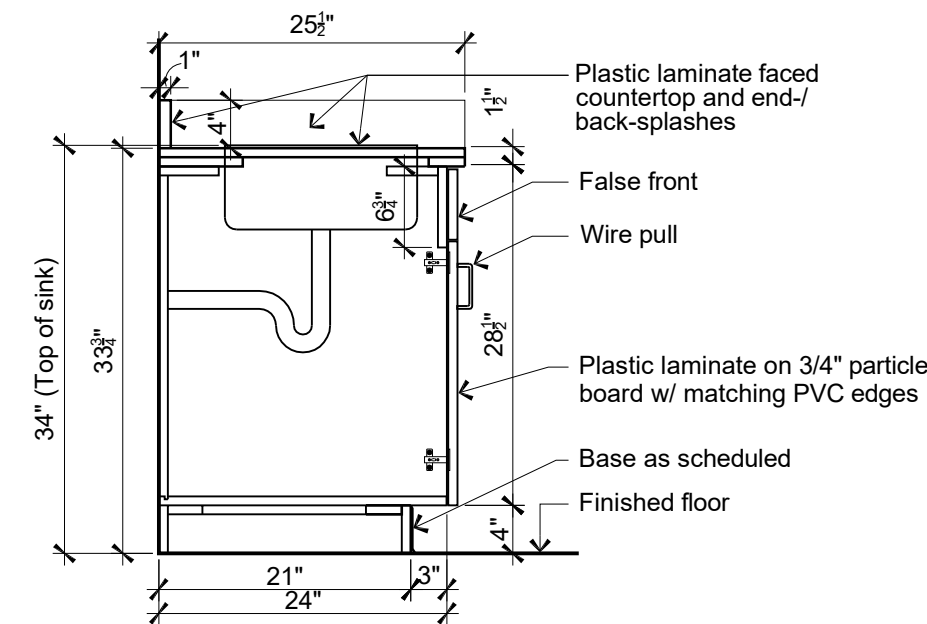
2 Section: Millwork
Wall Cabinet Scale: 3/4" = 1'-0"



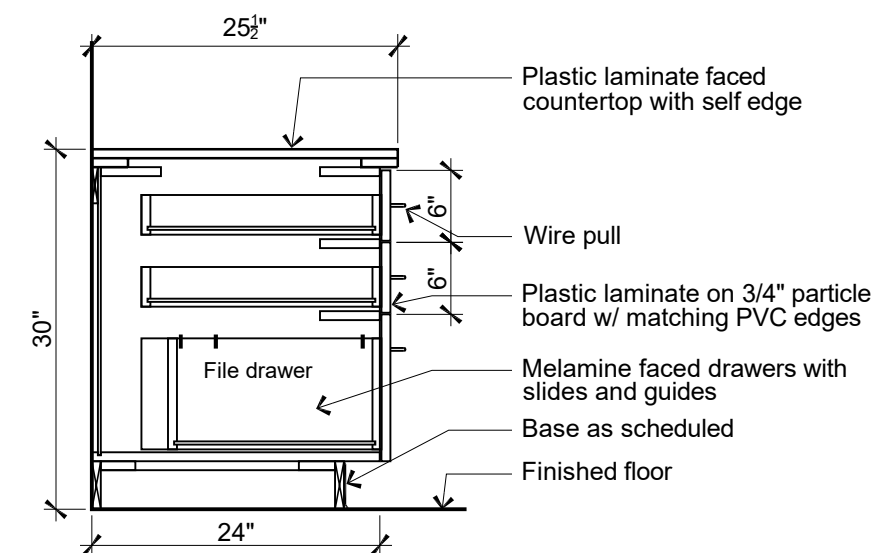
3 Section: Millwork
Microwave Cabinet Scale: 3/4" = 1'-0"



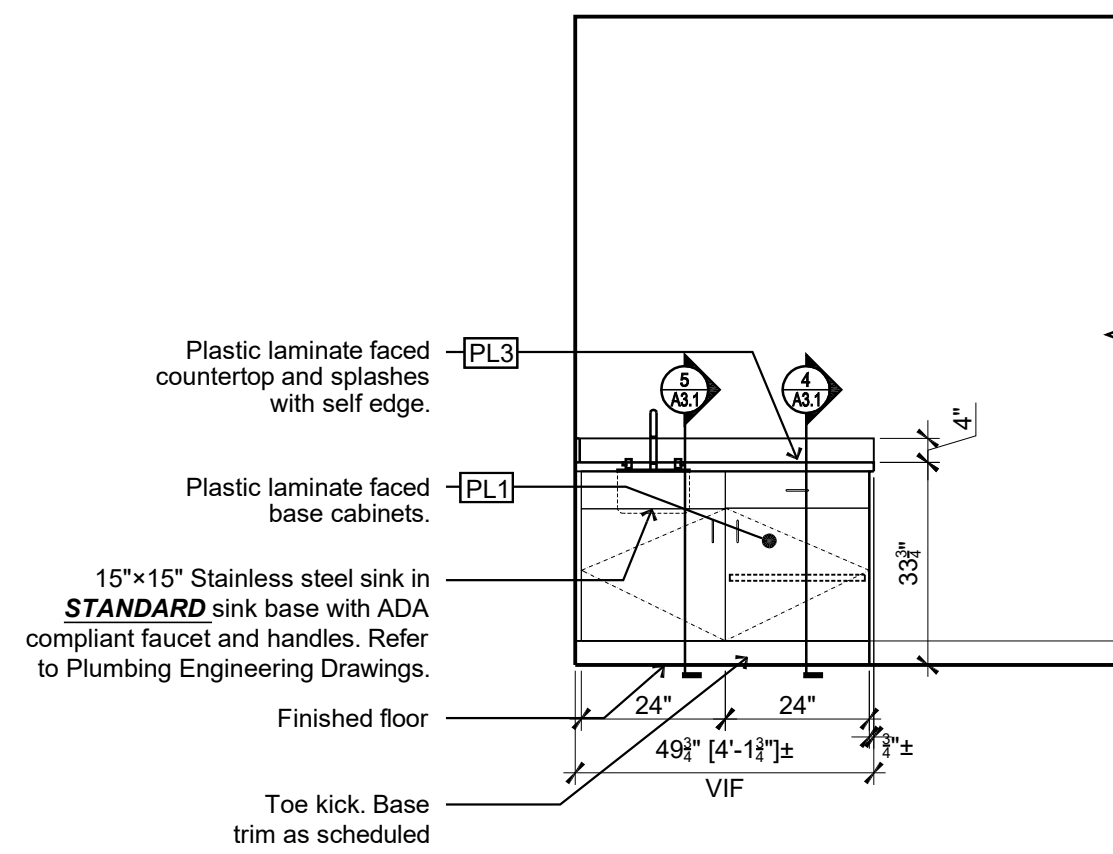
4 Section: Millwork
Base Cabinet Scale: 3/4" = 1'-0"



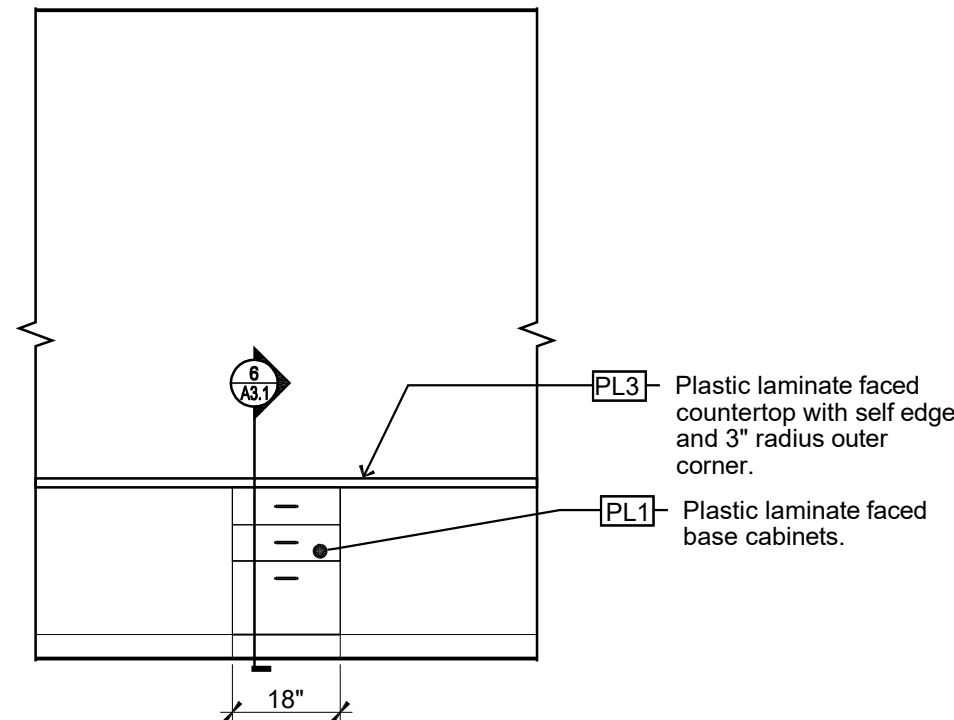
5 Section: Millwork
Sink Cabinet Scale: 3/4" = 1'-0"



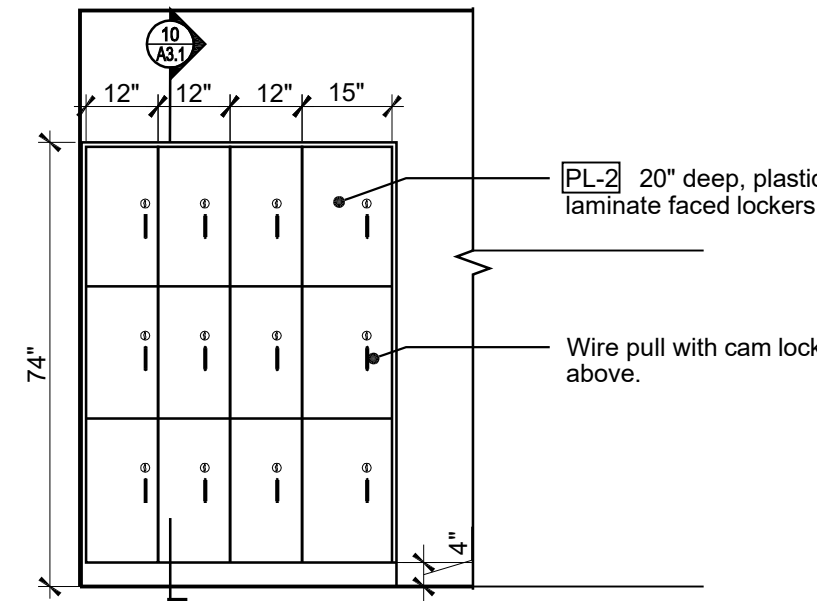
6 Section: Millwork
Box, box, file cabinet Scale: 3/4" = 1'-0"



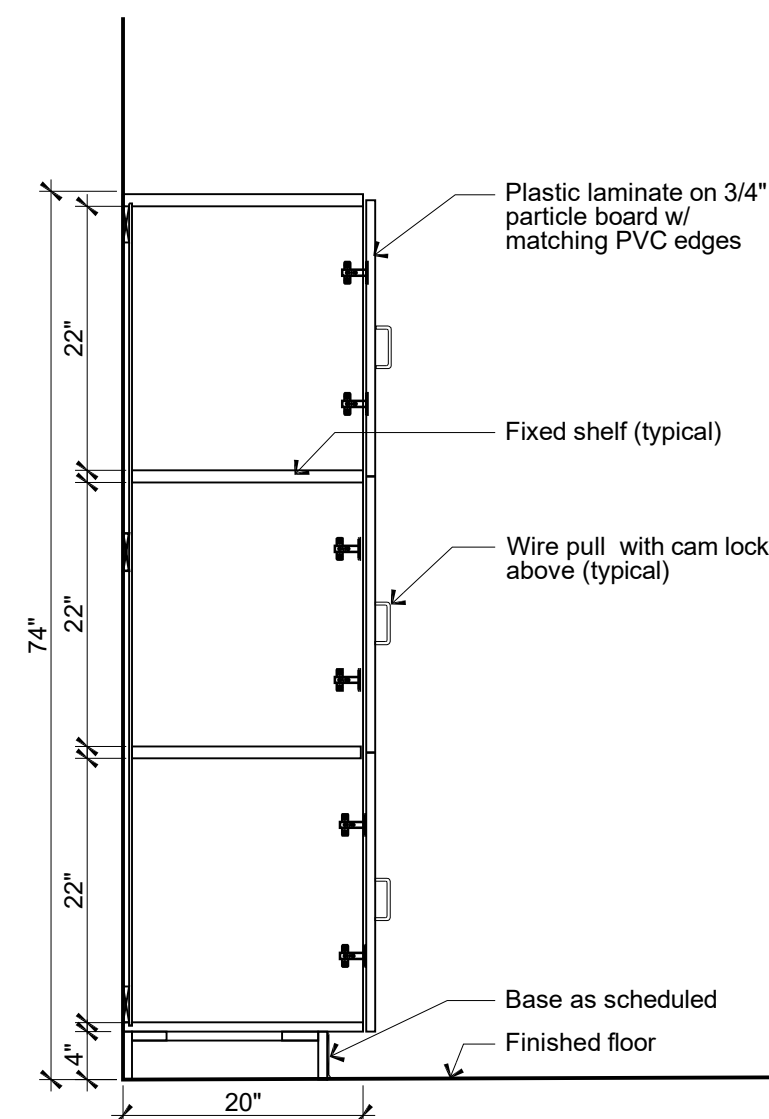
7 Elevation: Millwork
At Exam 223 & 224 Scale: 3/8" = 1'-0"



8 Elevation: Millwork
New Box box files at Reception & MA Area Scale: 3/8" = 1'-0"



9 Elevation: Lockers
At Break Room Scale: 3/8" = 1'-0"



10 Section: Millwork
Lockers Scale: 3/4" = 1'-0"

Page 5 of 9
TPS
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SERVICES
INCORPORATED
1660 Lincoln St, Ste. 100
Denver, Colorado 80264
(303) 861-4800
fax (303) 861-1621
www.TPS.design

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1411 South Potomac
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Advanced Urology
Expansion

Dates of Record
Project Start Date: 27 August 2019
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Issued For: Tenant Review & Approval; and Construction
28 Sep 2020 Tenant Revisions & Approval (Revised by MH) and Construction

Sheet: Section Details
Contents: Project # 426008.01, Title: GBS, Designed by: AC, Drawn by: JWMH, Checked by: GBS

A3.1



PROFESSIONAL ENGINEER

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

1411 S. Potomac
1411 South Potomac
Aurora, CO 80012
Suite 210

Digitally
signed by
Luis R.
Cocha
Date:
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Advanced Urology
Expansion

Dates of Record
Project Start Date: #####
Issued On: Issued For:
29 Jul 2020 Tenant's Review & Approval:
and Construction
29 Sep 2020 Revision #1

Sheet
Contents

Project Team
Project Number
Sheet
Mark

20299
M1.1

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 RESTORE 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



DIFFUSER, SEE SCHEDULE



GRILLE, SEE SCHEDULE



NEW RIGID RECTANGULAR DUCTWORK



EXISTING RIGID RECTANGULAR DUCTWORK



NEW RIGID ROUND DUCTWORK



EXISTING RIGID ROUND DUCTWORK



EXPOSED SPIRAL DUCTWORK



DUCTWORK TO BE REMOVED



FLEX, DUCTWORK.



THERMOSTAT TO MATCH EQUIPMENT



CFM, BALANCE WITHIN 10%



EQUIPMENT DESIGNATION



SPIN-IN WITH DAMPER



RETURN AIR ARROW



SUPPLY AIR ARROW



CONNECT TO EXISTING

Room Schedule

200	Exist. Waiting	216	Exist. Restroom
201	Exist. Reception	217	Exist. Exam
202	Existing Lab	218	Exist. Storage
203	Exist. Hallway	219	Exist. Exam
204	Exist. IT Closet	220	-----
205	Exist. Exam	221	Exist. Exam
206	Exist. Exam	222	Office
207	Exist. Exam	223	Exam
208	Exist. Office	224	Exam
209	Exist. Exam	225	Ultrasound
210	-----	226	Exist. Restroom
211	Exist. MA Area	227	Exam
212	Exist. Exam	228	Check-out
213	Exist. Exam	229	Admin.
214	Exist. Exam	230	-----
215	Exist. Restroom	231	Break Room

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

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 REQUIRED	EXHAUST PROVIDED
HALLWAY	203	260	0	0	5.0	0.06	0.8	16	100	25%	25	0	0
OFFICE	222	80	5	0	5.0	0.06	0.8	7	230	25%	58	0	0
EXAM	223	90	5	0	5.0	0.06	0.8	8	120	25%	30	0	0
EXAM	224	80	5	0	5.0	0.06	0.8	7	100	25%	25	0	0
ULTRASOUND	225	75	5	0	5.0	0.06	0.8	6	275	25%	69	0	0
EXISTING RESTROOM	226	60	0	0	0.0	0	0.8	0	0	25%	0	75	75
EXAM	227	65	5	0	5.0	0.06	0.8	6	175	25%	44	0	0
CHECK-OUT	228	90	5	0	5.0	0.06	0.8	8	100	25%	25	0	0
ADMIN	229	60	5	0	5.0	0.06	0.8	5	50	25%	13	0	0
BREAK ROOM	230	120	5	1	5.0	0.06	0.8	10	450	25%	113	0	0
TOTALS		640		3				72				75	75

FAN POWERED BOX SCHEDULE

MARK	MFR. & MODEL NUMBER	AIR INLET SIZE	TOTAL AIR		HEATING			FAN MOTOR			REMARKS
			MAX. CFM	MIN. CFM	VOLTAGE	KW	HEATING CFM	VOLTAGE	HP	FLA	
FVAV 2-3	VFPE17	10"Ø	1550	380	277/1	10.0	1000	277/1	1/3HP	2.6	1

NOTES:
1. EXISTING TO REMAIN.

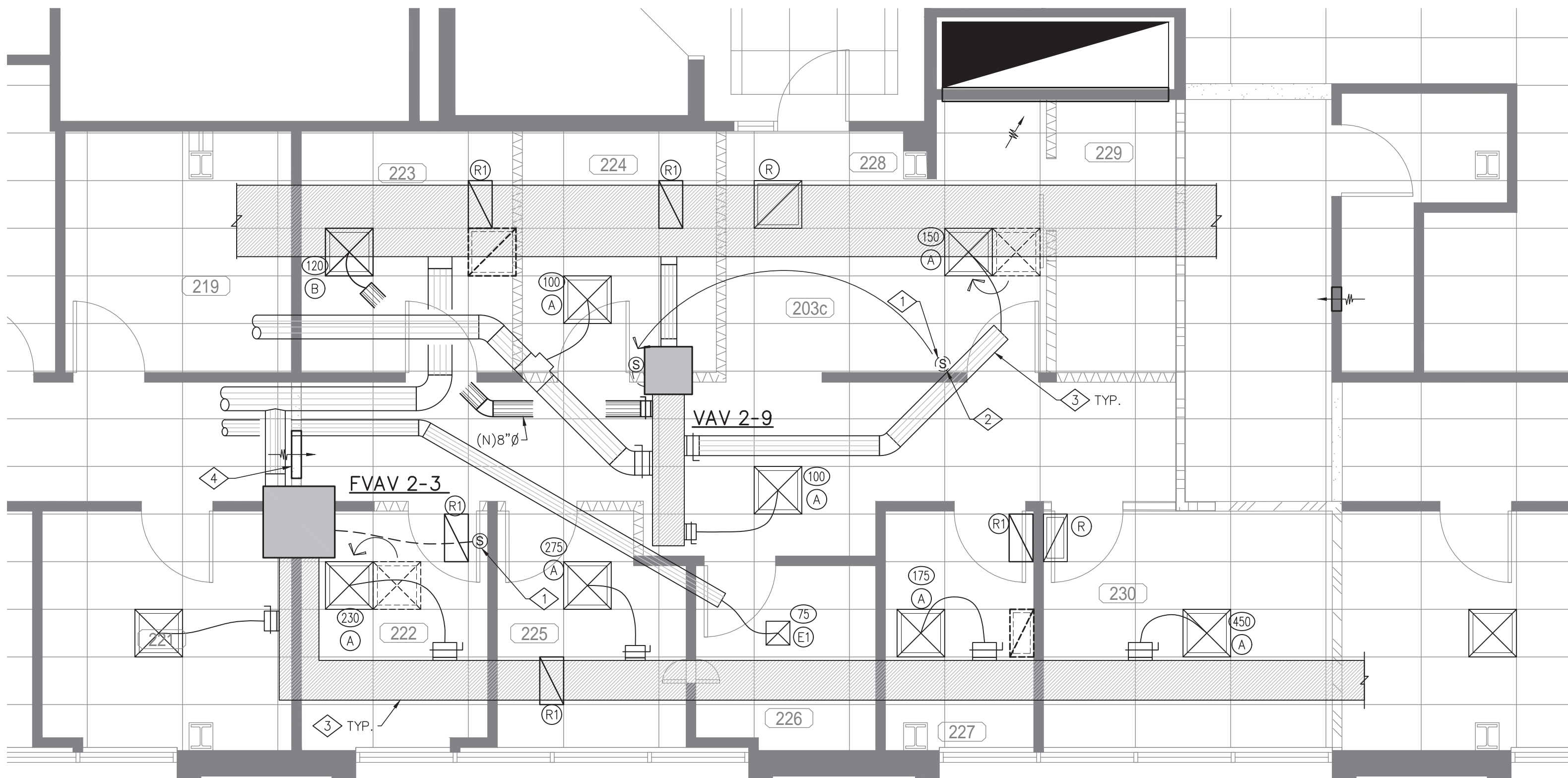
DIFFUSER SCHEDULE

MARK	SERVICE	FACE SIZE	NECK SIZE	FIRE DAMPER	VOLUME DAMPER	MFR	MODEL	REMARKS
A	SUPPLY	-	-	-	-	-	-	EXISTING TO REMAIN OR BE RELOCATED
B	SUPPLY	24" x 24"	8"Ø	NO	NO	PRICE	SCD	NEW
R	RETURN	-	-	-	-	-	-	EXISTING TO REMAIN
R1	RETURN	24" x 12"	22" x 10"	NO	NO	PRICE	PRF	NEW. PROVIDE RETURN AIR CANOPY (RAC).
E1	EXHAUST	-	-	-	-	-	-	EXISTING TO REMAIN.

VAV TERMINAL SCHEDULE

MARK	MFR. & MODEL NUMBER	AIR INLET SIZE	MAX. PRIMARY AIR CFM	MIN. PRIMARY AIR CFM	REMARKS
VAV 2-9	TRANE VCCF08	8"Ø	600	150	1

NOTES:
1. EXISTING TO REMAIN.



DETAIL NOTES:

- 1 (E) TEMPERATURE SENSOR TO REMAIN.
- 2 RELOCATE (E) TEMPERATURE SENSOR.
- 3 (E) DUCT TO REMAIN.
- 4 (E) TRANSFER AIR OPENING TO REMAIN.

ALL DUCTWORK & GRILLES/DIFFUSERS ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.

1
M1.1

MECHANICAL PLAN

SCALE: 1/4" = 1'-0"

NO CHANGES ON THIS SHEET



PROFESSIONAL ENGINEER

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

1411 S. Potomac
1411 South Potomac
Aurora, CO 80012
Suite 210

Digitally signed by
Luis R. Cocha
Date:
2020.09.29
14:08:49
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Advanced Urology
Expansion

Dates of Record

Project Start Date: #####
Issued On: Issued For:
29 Jul 2020 Tenant's Review & Approval:
and Construction
29 Sep 2020 Revision #1

Sheet
Contents

Project Team
Project Number
Sheet
Mark

20299

P1.1

MINIMUM HYDRONIC & DOMESTIC HOT WATER PIPE INSULATION THICKNESS (IN INCHES)

FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F)	INSULATION CONDUCTIVITY		NOMINAL PIPE OR TUBE SIZE (INCHES)				
	CONDUCTIVITY BTU - IN./ (H - FT ² - °F) ^B	MEAN RATING TEMPERATURE, °F	LESS THAN 1	1 TO <1-1/2	1-1/2 TO <4	4 TO <8	≥ 8
201 - 250	0.27 - 0.30	150	2.5	2.5	2.5	3.0	3.0
141 - 200	0.25 - 0.29	125	1.5	1.5	2.0	2.0	2.0
105 - 140	0.21 - 0.28	100	1.0	1.0	1.5	1.5	1.5
40 - 60	0.21 - 0.27	75	0.5	0.5	1.0	1.0	1.0

PIPE HANGER SPACING REQUIREMENTS

MATERIAL	SIZE	MAX HORIZONTAL SPACING	MAX VERTICAL SPACING
ABS	ALL	4'	10'
CAST IRON < 10'	ALL	5'	15'
CAST IRON - 10'	ALL	10'	15'
COPPER	< 1-1/2	6'	10'
COPPER	≥ 1-1/2	10'	10'
PEX	ALL	32"	10'
PVC	ALL	4'	10'

PLUMBING SYMBOLS LEGEND

- WASTE PIPING
- VENT PIPING
- COLD WATER PIPING
- HOT WATER PIPING
- GAS PIPING
- BALL VALVE
- HOSE BIBB
- WCO WALL CLEANOUT
- FLOOR CLEANOUT
- FLOOR DRAIN
- CONNECT TO EXISTING



ADVANCED UROLOGY

ADVANCED UROLOGY
EXPANSION

PLUMBING GENERAL NOTES

GENERAL

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

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

WARRANTY
THE PLUMBING 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 AND WILL REPAIR OR REPLACE ANY DEFECTIVE WORK PROMPTLY AND WITHOUT CHARGE AND RESTORE ANY OTHER EXISTING WORK DAMAGED IN THE COURSE OF REPAIRING DEFECTIVE MATERIALS AND WORKMANSHIP.

PIPING

SOIL, WASTE AND VENT PIPING
SOIL, WASTE AND VENT PIPING 10" AND SMALLER SHALL BE SERVICE WEIGHT, HUBLESS, CAST IRON PIPE AND FITTINGS CONFORMING WITH THE REQUIREMENTS OF CISPI STD 301, ASTM A888 OR ASTM A74, WITH NEOPRENE GASKET AND STAINLESS STEEL SHIELD AND CLAMP. PROVIDE HUB-TYPE PIPE AND FITTINGS BELOW GRADE WHERE REQUIRED BY LOCAL CODES. PIPE AND FITTINGS SHALL BE MARKED WITH THE CISPI TRADEMARK. SCHEDULE 40 ABS OR PVC PIPE AND FITTINGS WITH SOLVENT WELD MAY BE SUBSTITUTED FOR SOIL, WASTE AND VENT PIPING ABOVE AND BELOW GRADE IF ALLOWED BY LOCAL AUTHORITY, EXCEPT WHEN USED IN RETURN AIR PLENUMS OR WHEN PENETRATING RATED ASSEMBLIES. HORIZONTAL RUNS SHALL DRAIN AT A GRADE OF 1/4 INCH PER FOOT WHERE POSSIBLE BUT IN NO CASE LESS THAN 1/8" PER FOOT. COORDINATE WITH LOCAL AUTHORITIES FOR DRAINAGE REQUIREMENTS FOR EQUIPMENT DESIGNATED WITH INDIRECT WASTE TO FLOOR DRAINS. PROVIDE PIPED DRAIN TO SANITARY IF REQUIRED BY LOCAL JURISDICTION.

DOMESTIC WATER PIPING
DOMESTIC WATER PIPING 2" AND SMALLER SHALL BE COPPER TUBE WITH WROUGHT COPPER SWEAT FITTINGS JOINED WITH LEAD FREE SOLDER. PROVIDE TYPE "L" COPPER TUBE ABOVE GRADE AND TYPE "K" BELOW GRADE.

CONDENSATE DRAINAGE PIPING
THE PLUMBING CONTRACTOR SHALL PROVIDE CONDENSATE DRAINS FOR AIR HANDLING UNITS. CONDENSATE DRAINAGE PIPING SHALL BE TYPE "M" COPPER TUBING WITH WROUGHT COPPER SWEAT FITTINGS JOINED WITH 50/50 SOLDER.

GAS PIPING
GAS PIPING SHALL BE SCHEDULE 40, SEAMLESS, BLACK STEEL PIPE. PROVIDE PIPING SUPPORT BLOCKING ON ROOF, COMPATIBLE WITH ROOFING SYSTEM.

HANGERS & SUPPORTS
THE PLUMBING CONTRACTOR SHALL FURNISH ALL PIPE SUPPORTS REQUIRED FOR HIS EQUIPMENT AND MATERIAL. HANGERS AND PIPE ATTACHMENTS TO BE FACTORY FABRICATED WITH GALVANIZED COATINGS; NONMETALLIC COATED FOR HANGERS IN DIRECT CONTACT WITH COPPER TUBING.

CONNECTIONS
INSTALL UNIONS ADJACENT TO EACH VALVE AND AT FINAL CONNECTION TO EACH PIECE OF EQUIPMENT. INSTALL DIELECTRIC COUPLINGS TO CONNECT PIPING MATERIALS OF DISSIMILAR METALS. SCREW JOINT STEEL PIPING UP TO AND INCLUDING 1-1/2". WELD PIPING USE LEAD FREE SOLDER FOR SOLDERING DOMESTIC WATER COPPER PIPE.

CLEANOUTS
PROVIDE J.R. SMITH OR EQUIVALENT FLOOR AND WALL CLEANOUTS AS INDICATED ON THE DRAWINGS OR WHERE REQUIRED IN ALL SOIL, WASTE, AND DRAIN LINES. IN AREAS WITH CERAMIC TILE OR CARPETED FLOORING, PROVIDE CLEANOUTS WITH SQUARE, ADJUSTABLE, NICKEL BRONZE TOP. IN AREAS WITH RESILIENT FLOORING, PROVIDE CLEANOUTS WITH SQUARE, ADJUSTABLE, NICKEL BRONZE TOP WITH TILE RECESS. CLEANOUTS SHALL BE SAME SIZE AS PIPE EXCEPT THAT CLEANOUTS LARGER THAN 4" WILL NOT BE REQUIRED. WHERE CLEANOUTS OCCUR IN WALLS OF FINISHED AREAS, THEY SHALL BE CONCEALED BEHIND CHROME PLATED ACCESS COVERS.

INSTALLATION
INSTALL PIPING FREE OF SACS AND BENDS. INSTALL FITTINGS FOR CHANGES IN DIRECTION AND BRANCH CONNECTIONS. INSTALL SLEEVES FOR PIPES PASSING THROUGH CONCRETE AND MASONRY WALLS, GYPSUM-BOARD PARTITIONS, CONCRETE FLOOR, AND ROOF SLABS. SEAL PIPE PENETRATIONS THROUGH RATED CONSTRUCTION WITH FIRESTOPPING SEALANT MATERIAL. UNDERGROUND WATER AND SEWER LINES SHALL BE LAID IN SEPARATE TRENCHES WITH A MINIMUM HORIZONTAL SPACING AS REQUIRED BY CODE, EXCAVATED TO THE PROPER DEPTH AND GRADED TO PRODUCE THE REQUIRED FALL.

TESTING
ALL PIPES SHALL BE TESTED BY AN APPROVED METHOD BEFORE THEY ARE BACKFILLED OR CONCEALED.

VALVES

GENERAL
PLUMBING CONTRACTOR TO PROVIDE VALVES WHERE INDICATED ON PLANS AND AS NECESSARY FOR PROPER SYSTEM OPERATION AND COMPONENT ISOLATION. INSTALL VALVES FOR EACH FIXTURE AND ITEM OF EQUIPMENT. PROVIDE BRAIDED STAINLESS STEEL HOSE (UNLESS OTHERWISE NOTED) BETWEEN VALVE AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. LOCATE SHUT-OFF VALVES ADJACENT TO EQUIPMENT FOR EASY ACCESS SUCH THAT VALVES CAN BE REACHED WITHOUT MOVING EQUIPMENT.

VALVES
PROVIDE VALVES FOR WORKING PRESSURE IN WATER PIPING OF 125 PSI OR GREATER.

INSULATION

WATER PIPING
PROVIDE THERMAL INSULATION ON ALL HOT & COLD WATER PIPING. USE SELF-SEALING CLOSED CELL FOAM OR JACKETED FIBERGLASS INSULATION WITH MANUFACTURER APPROVED ADHESIVES, SEALERS, AND COATINGS. ALL MATERIALS USED SHALL NOT EXCEED 25 FOR FLAME SPREAD, 50 FOR FUEL CONTRIBUTED, OR 50 FOR SMOKE DEVELOPED.

SAFETY COVERS
INSTALL NO-SCALD SAFETY COVERS WITH INSULATED FOAM LINER AND TAMPER PROOF STRAP AT ALL EXPOSED HOT WATER & WASTE PIPING.

RAIN CONDUCTORS
INSULATE RAIN WATER CONDUCTORS WHICH PASS THROUGH OCCUPIED AREAS WITH 1/2" THICK FIBERGLASS INSULATION. INSULATION SHALL NOT EXCEED 25 FOR FLAME SPREAD, 50 FOR FUEL CONTRIBUTED, OR 50 FOR SMOKE DEVELOPED.

MISC PLUMBING FIXTURES

WATER HEATER
PROVIDE AN A.O. SMITH OR EQUIVALENT, GLASS-LINED, ENERGY EFFICIENT, WATER HEATER, WITH CAPACITY AS INDICATED IN THE PLANS. PROVIDE INSTALLATION COMPLETE WITH FITTINGS AS SHOWN IN THE DRAWINGS. PROVIDE HEAT TRAPS ON BOTH SUPPLY AND DISCHARGE TO WATER HEATER.

OWNER FURNISHED CONTRACTOR INSTALLED
PLUMBING FIXTURES/EQUIPMENT (E.G., ICE MAKER, ETC.)

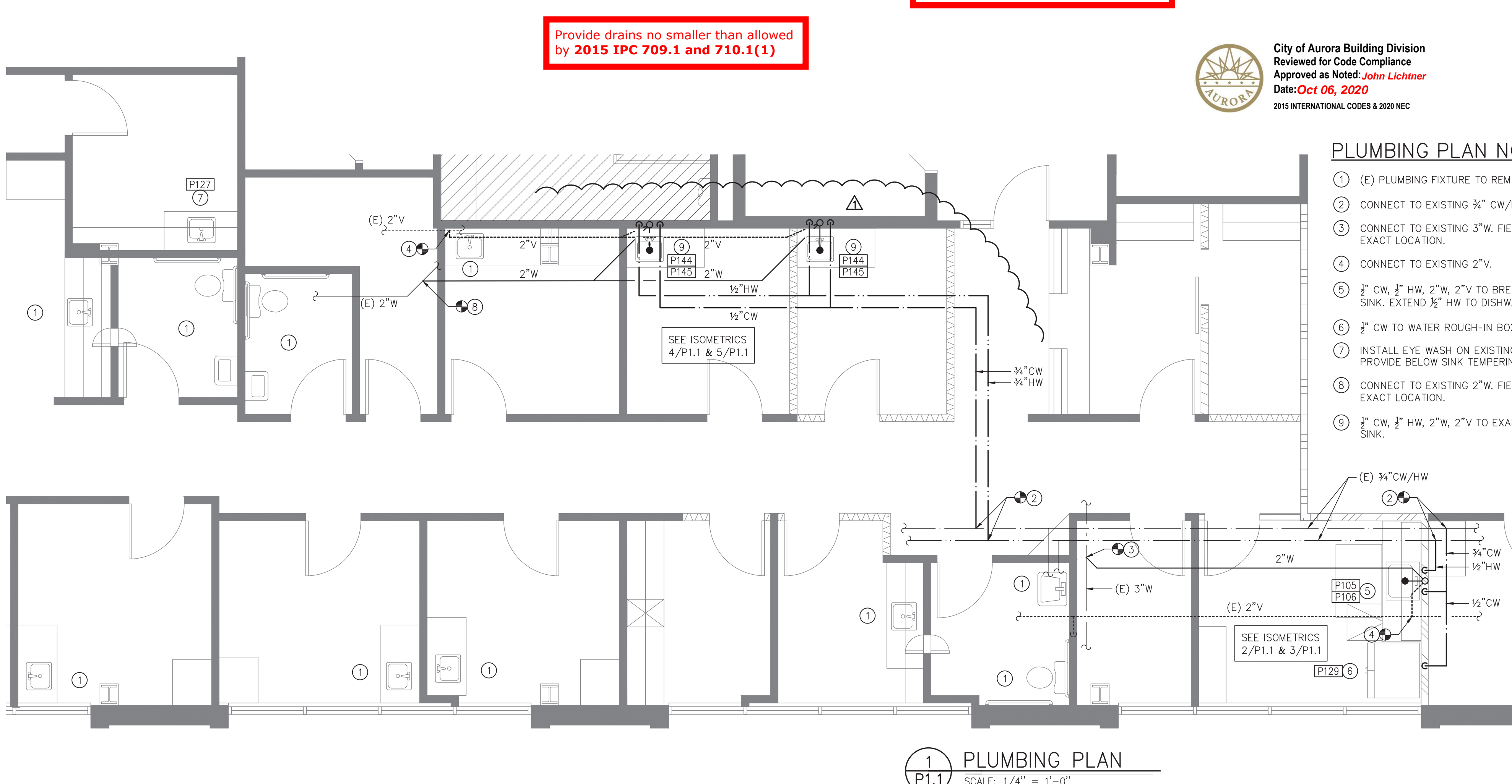
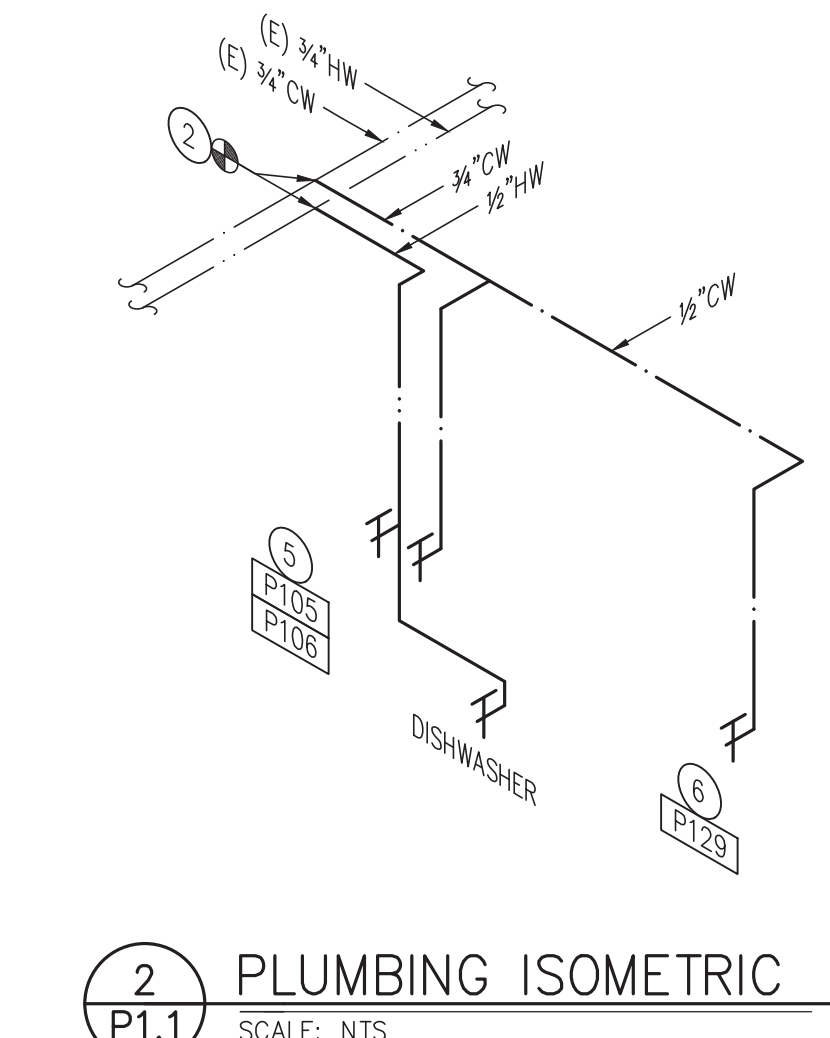
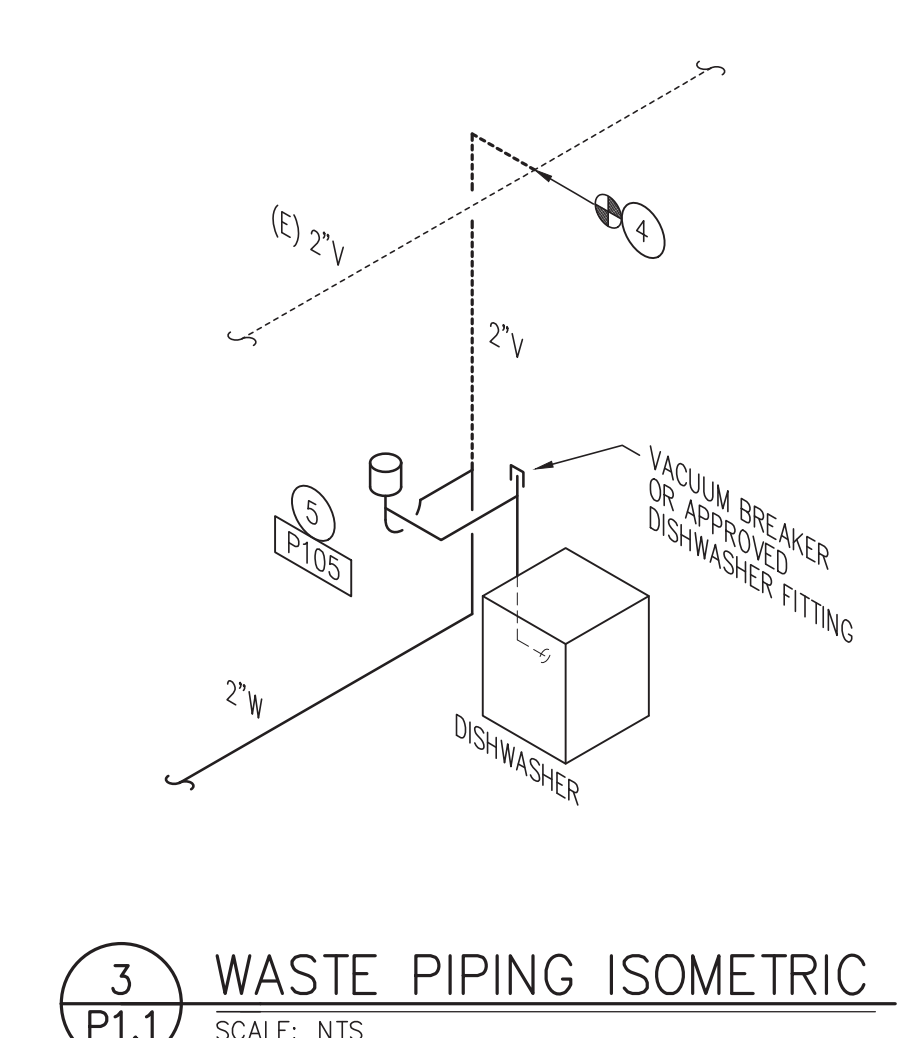
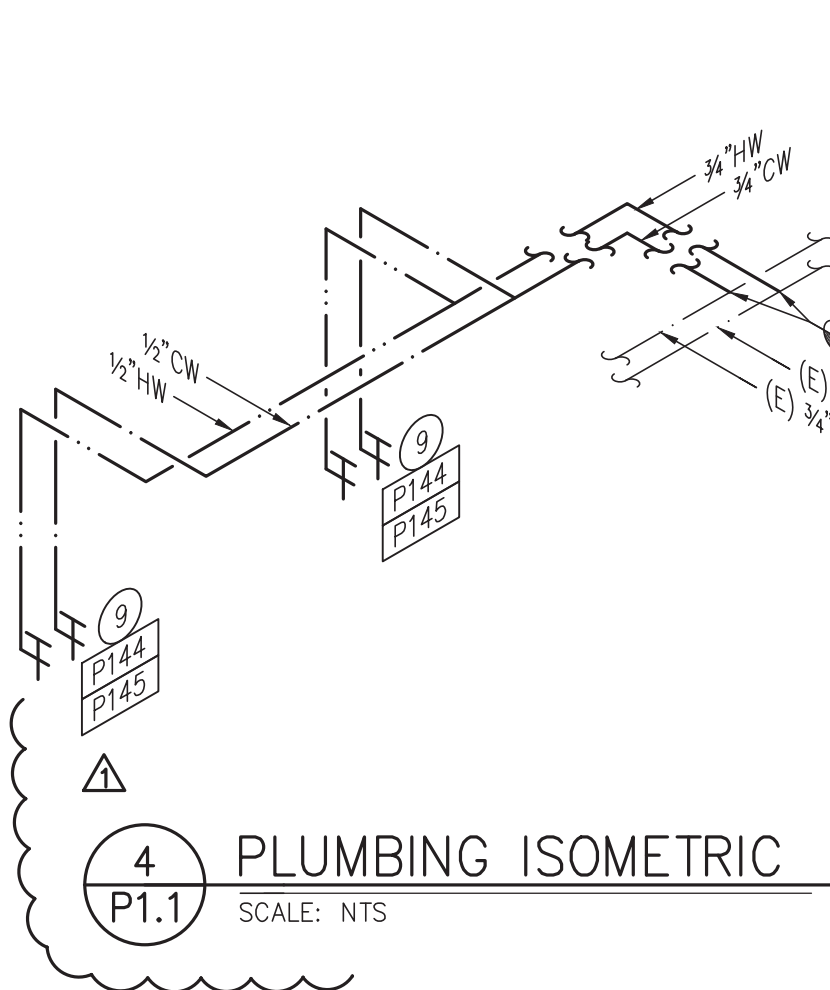
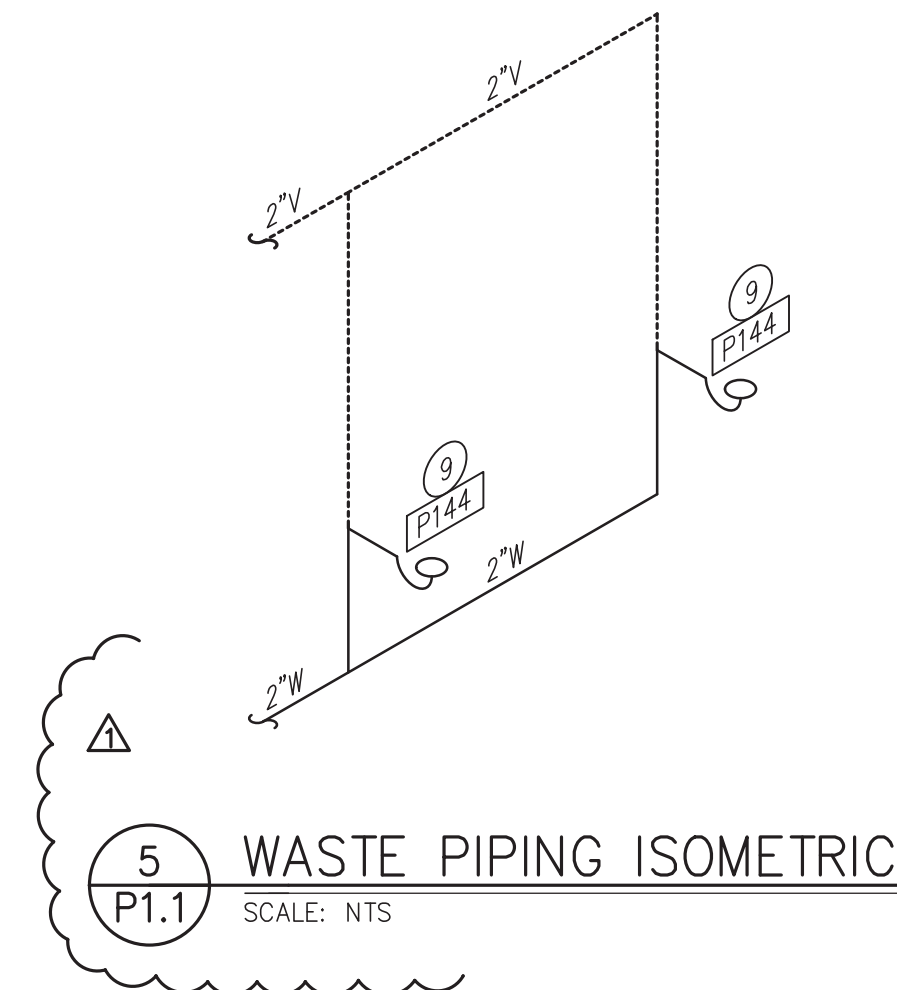
THE PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO EQUIPMENT INCLUDING REQUIRED MATERIAL SUCH AS PIPING, VALVES, FILTERS, TRAPS, CHECKS VALVES, VACUUM BREAKERS, AND FLEXIBLE AND RIGID TUBING.

Only highlighted or clouded revisions
are approved on this review. All
previous comments apply.

The dry vent must rise 6" vertically
above the flood level rim of the highest
trapped fixture being vented.
2015 IPC 905.4

Provide drains no smaller than allowed
by **2015 IPC 709.1 and 710.1(1)**

PLUMBING FIXTURE SCHEDULE								REMARKS	
MARK	DESCRIPTION	MANUFACTURER	MODEL	CW	HW	TW	W		
P105	BREAK ROOM SINK	ELKAY	LRAD2521				2"		PROVIDE IN-SINK-ERATOR DISPOSER BADGER V, 1/2 HP
P106	SINK FAUCET	DELTA	400LF-HDF	1/2"	1/2"				
P127	EYE WASH - FAUCET MOUNT	GUARDIAN	G1201	1/2"		1/2"			W/ G3600LF TEMPERING VALVE
P129	WATER ROUGH-IN BOX	IPS WATERTITE	AB9700HA	3/8"					W/ WATER HAMMER ARRESTOR. PROVIDE ASSE 1022 BACKFLOW PREVENTER
P144	SS SINK	ELKAY	LRAD1517				2"		
P145	SINK FAUCET	DELTA	27C4943	1/2"	1/2"				

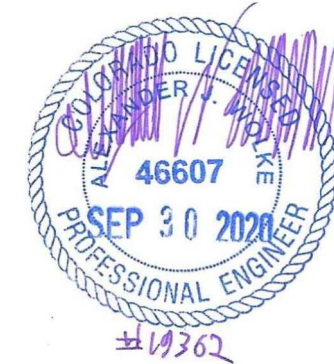


PLUMBING PLAN NOTES

- (E) PLUMBING FIXTURE TO REMAIN.
- CONNECT TO EXISTING 3/4" CW/HW.
- CONNECT TO EXISTING 3"W. FIELD VERIFY EXACT LOCATION.
- CONNECT TO EXISTING 2"W.
- 3" CW, 3" HW, 2"W, 2"V TO BREAK ROOM SINK. EXTEND 1/2" HW TO DISHWASHER.
- 3" CW TO WATER ROUGH-IN BOX.
- INSTALL EYE WASH ON EXISTING FAUCET. PROVIDE BELOW SINK TEMPERING VALVE.
- CONNECT TO EXISTING 2"W. FIELD VERIFY EXACT LOCATION.
- 3" CW, 3" HW, 2"W, 2"V TO EXAM ROOM SINK.



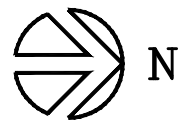
1411 S. Potomac
1411 South Potomac
Aurora, CO 80012
Suite 210



Advanced Urology
Expansion

Dates of Record
Project Start Date: 27 August 2019
Issued On Issued For
22 July 2020 Tenant's Review & Approval;
and Construction
29 Sep 2020 Revision #1

Sheet Contents Demolition Plan
Project Team AW/RR
Project Number 19362
Sheet Mark
E1.0



DEMOLITION PLAN

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

GENERAL NOTES:

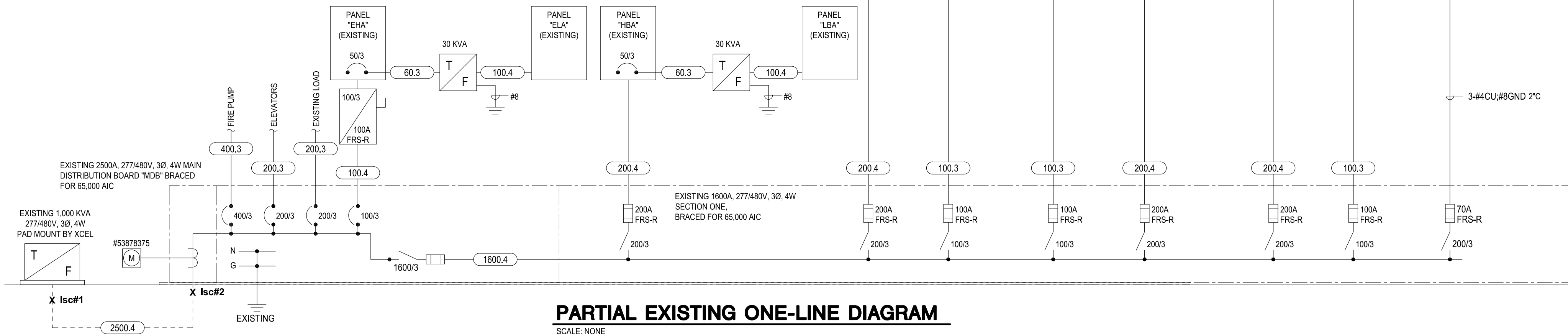
- REMOVED ITEMS SHOWN AS DASHED AND LIGHT.
- E.C. TO REMOVE ALL ABANDONED CONDUIT/CABLING/WIRING FROM SPACE INCLUDING ABOVE THE CEILING BACK TO SOURCE. ANY CIRCUITS MADE SPARE TO BE TURNED OFF AND LABELED AS SUCH WITH NEW TYPED PANEL SCHEDULES.
- RETURN LIGHTING FIXTURES NOT REUSED TO PROPERTY MANAGEMENT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

Only highlighted or clouded revisions are approved on this review. All previous comments apply.

Revisions only: Call for inspections under original permit, #20-1845823

3 PHASE - FAULT CURRENT CALCULATIONS														
Maximum Available Fault Current (IaIC)														
I sca = (I aIC x M)														
where M = 1 / (1 + f), and f = (1.73 x L x IaIC) / (C x n x Vp)														
(note: type 0 for 1/0AWG, 00 for 2/0 AWG, 000 for 3/0 AWG, 0000 for 4/0 Awg)														
Isc Point	Fault Location	Equip ment Rating	Distance, feet (L)	Wire Size	Wires / Ph (n)	CU (X); AL (L)	Raceway Steel (X); PVC (L)	Voltage Primary (Vp)	Voltage Secondary (Vs)	Wire Factor (C)	Upstream fault value (IaIC)	Fault Value (Isc)	Transformer size (kVA)	Transformer Impedance (%)
1	Utility Transformer 1000 kVA											36,500		
2	Main Distribution Board		50	500	7	X		480		186942	36,500	35,258		
3	Before 75 kva TF		60	500	1	X		480		26706	35,258	27,420	45	5.3
4	After 75 kva TF							480	208		27,420	2,272	45	5.3

COPPER FEEDER SCHEDULE							NOTE: BASED ON THHN CONDUCTORS	
FEEDER TYPE	RATING	# OF SETS	PHASE COND.	NEUTRAL	GROUND	CONDUIT	SCHED 80 CONDUIT	
2500.4	2500	7	(3) 500 KCMIL	500 KCMIL	350 KCMIL	3-1/2"	4"	
1600.4	1600	5	(3) 400 KCMIL	400 KCMIL	#4/0	3"	3-1/2"	
400.4	400	2	(3) #3/0	#3/0	#2	2"	2-1/2"	
400.3	400	2	(3) #3/0	-	#2	2"	2"	
300.3	300	1	(3) 350 KCMIL	-	#4	2-1/2"	3"	
250.4	250	1	(3) 250 KCMIL	250 KCMIL	#4	2-1/2"	2-1/2"	
200.4	200	1	(3) #3/0	#3/0	#6	2"	2-1/2"	
200.3	200	1	(3) #3/0	-	#6	2"	2"	
150.4	150	1	(3) #1/0	#1/0	#6	2"	2"	
120.3	120	2	(3) #6	-	#10	2"		
100.4	100	1	(3) #2	#2	#8	1-1/4"	1-1/2"	
100.3	100	1	(3) #2	-	#8	1-1/4"	1-1/4"	
60.3	60	1	(3) #6	-	#10	3/4"	1"	



PARTIAL EXISTING ONE-LINE DIAGRAM

SCALE: NONE



KEY PLAN

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



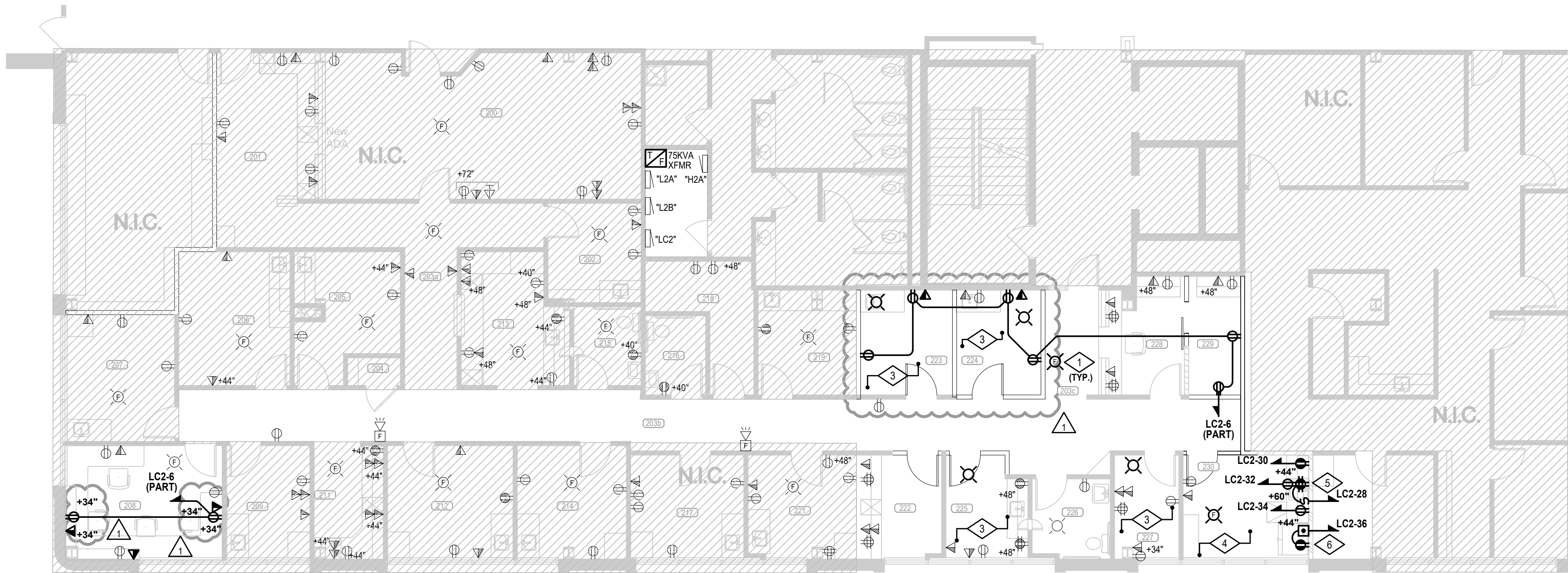
1411 S. Potomac
1411 South Potomac
Aurora, CO 80012
Suite 210



Advanced Urology Expansion

Dates of Record
Project Start Date: 27 August 2019
Issued On Issued For
22 July 2020 Tenant's Review & Approval;
and Construction
29 Sep 2020 Revision #1

Sheet Contents Power Plan
Project Team AW/R
Project Number 19362
Sheet Mark
E2.0



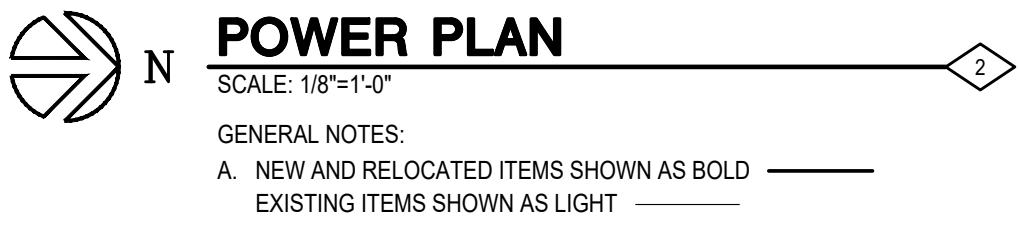
Tamper-resistant
receptacles - NEC
2020 406.12

Patient care areas to comply
with 2020 NEC 517

GFCI Protection required
within 6 feet of sinks - 2020
NEC 210.8(B)

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Revisions only: Call for
inspections under original permit,
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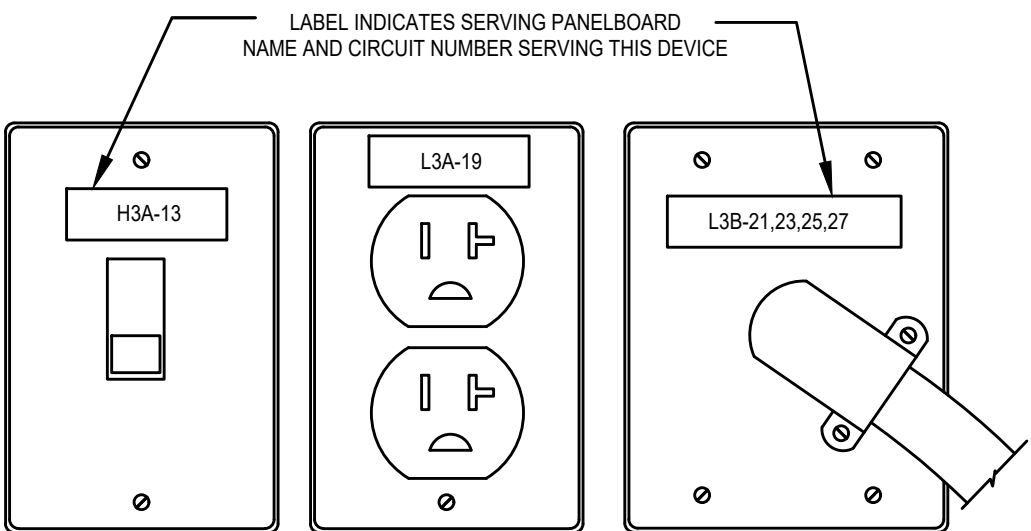


Room Schedule					
200	Exist. Waiting	216	Exist. Restroom		
201	Exist. Reception	217	Exist. Exam		
202	Existing Lab	218	Exist. Storage		
203	Exist. Hallway	219	Exist. Exam		
204	Exist. IT Closet	220	----		
205	Exist. Exam	221	Exist. Exam		
206	Exist. Exam	222	Office		
207	Exist. Exam	223	Exam		
208	Exist. Office	224	Exam		
209	Exist. Exam	225	Ultrasound		
210	----	226	Exist. Restroom		
211	Exist. MA Area	227	Exam		
212	Exist. Exam	228	Check-out		
213	Exist. Exam	229	Admin.		
214	Exist. Exam	230	----		
215	Exist. Restroom	231	Break Room		

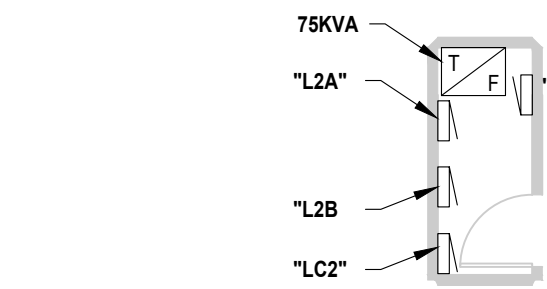
- ### DETAIL NOTES
- NEW/RELOCATED FIRE ALARM DEVICE, SEE FIRE ALARM GENERAL NOTES.
 - E.C. TO PROVIDE ADHESIVE LABEL WITH CIRCUIT NUMBER ON RECEPTACLES. COORDINATE STYLE OF LABEL WITH PROPERTY MANAGEMENT PRIOR TO INSTALLING. SEE TYPICAL DEVICE LABELING DETAIL.
 - PROVIDE/ENSURE HOSPITAL-GRADE RECEPTACLES FOR ALL DEVICES IN THIS ROOM. ALL BRANCH CIRCUITS IN THIS AREA SHALL BE RUN ENTIRELY IN EMT CONDUIT IN ORDER TO UTILIZE CONDUIT AS REDUNDANT GROUND (PER NEC 517.13) OR PROVIDE GREEN HOSPITAL-GRADE AC/MC CABLE FOR REDUNDANT GROUND. PROVIDE GFCI DEVICES THROUGHOUT. PROVIDE EQUIPMENT GROUNDING CONDUCTOR THROUGHOUT.
 - PROVIDE GCFI PROTECTION PER NEC 210.8 IN THIS AREA WITHIN 6' OF THE SINK.
 - PROVIDE HALF SWITCHED GFI QUADRUPLUX OUTLET, SWITCHED HALF FOR DISPOSAL, UNSWITCHED FOR DISHWASHER, PROVIDE GROMMETS AND CORD AND CAPS AS NECESSARY. SEE MECHANICAL PLANS FOR DETAILS.
 - PROVIDE ABOVE COUNTER DEADFRONT GFI DEVICE AHEAD OF KITCHEN OUTLET TO PROVIDE AN ACCESSIBLE GFI PROTECTION FOR KITCHEN DEVICE. PROVIDE ADHESIVE LABEL TO COVER INDICATING DEVICE SERVED, P&S MODEL 2085 OR EQUAL.

2015 IECC CONTROL MATRIX													
SPACE TYPE	MAN. ON	MAN. OFF	MAN. DIM	OVRD. SW. (TC)	TO ON	TO OFF	OCC. SENS. ON	OCC. SENS. OFF	12PM-6AM DIM 30% DOWN	DAY-LTG. DIM	90-MIN BATT. GEN.	EXT. PHOTO-CELL	REMARKS:
PRIVATE OFFICE/EXAM ROOM	X	X	*	**	**	**		X					
OPEN OFFICE AREA	X	X	*	**	**	**	X	X					DUAL LEVEL CONTROL THIS AREA. ONLY 50% TO BE AUTO ON.
DAYLIGHT ZONES	X	X	*	**	**	**		X		X			SEPARATE SWITCH FROM OTHER ZONES
WALK IN COOLERS/FREEZER	X	X	*	**	**	**	X	X					
TRAINING/CLASS/CONFERENCE/BREAK/COPY/WORK/LAB/LOCKER	X	X	*	**	**	**		X					
STORAGE/CLOSETS/DATA	X	X	*	**	**	**		X					
HALLWAYS/LOBBIES	X	X	*	**	**	**		X					
ENTRY VESTIBULES/STAIRWELLS	X	X	*	**	**	**		X					NIGHTLIGHT BASED ON SAFETY/SECURITY EXCEPTION
RESTROOMS	X	X	*	**	**	**	X	X					
ELECTRICAL/MECHANICAL ROOMS	X	X	*	**	**	**	X	X					PROVIDE OVERRIDE SWITCH FOR SENSOR CONTROL
COMMERCIAL KITCHEN	X	X	*	**	**	**	X	X					
PHARMACY/GYM/LIBRARY	X	X	*	**	**	**	X	X					DUAL LEVEL CONTROL THIS AREA. ONLY 50% TO BE AUTO ON.
WAREHOUSE	X	X	*	**	**	**	X	X					EACH AISLE INDEPENDENT
RETAIL/RESTAURANT SEATING	X	X	*	**	**	**							DUAL LEVEL CONTROL MINIMUM, UNLESS DIMMED
SPECIFIC APPLICATION CONTROL	X	X	*	**	**	**							MANUAL ONLY PER IECC
FACTORY/INDUSTRIAL	X	X	*	**	**	**	X	X					DUAL LEVEL CONTROL THIS AREA. ONLY 50% TO BE AUTO ON.
EXTERIOR SITE LIGHTING												X	
EXTERIOR FAÇADE/WALLPACKS									X			X	
LOADING DOCK												X	
EXTERIOR EG WALLPACKS							X	X			X	X	UL924/SWITCHED LEADS
INTERIOR EG NON-HL											X	X	UL924/SWITCHED LEADS. SENSOR IN PARALLEL WITH TC
INTERIOR EG NL (EXIT SIGNS / FIXTURES DESIGNATED NL)				**	**	**	X***	X***				X	NIGHTLIGHT BASED ON SAFETY/SECURITY EXCEPTION

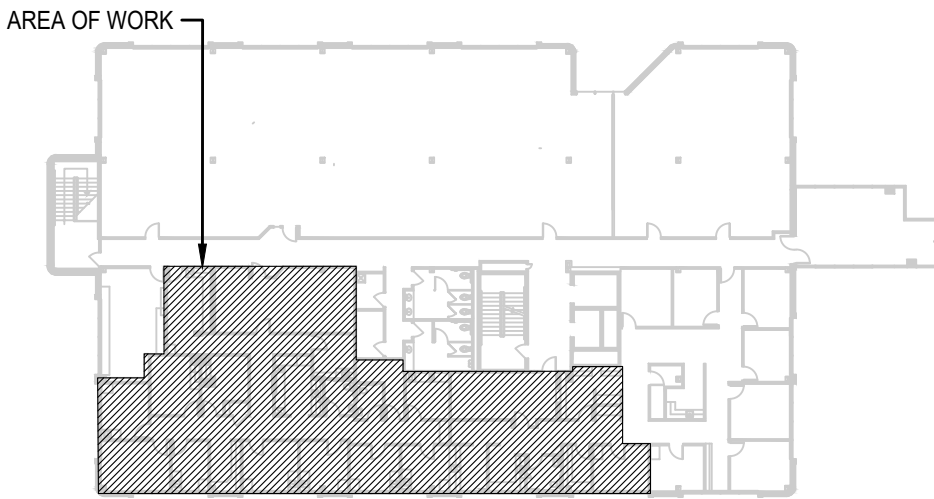
E.C. TO PROVIDE SHOP DRAWINGS AND SUBMITTALS THROUGH THE APPROPRIATE LIGHTING CONTROLS MANUFACTURER REPRESENTATIVE TO MEET THE ABOVE CONTROL INTENT.
SEE OCCUPANCY/VACANCY/DAYLIGHT SENSOR SCHEDULE ON COVERSHEET FOR DETAILS. PROVIDE ADDITIONAL POWER PACKS WHERE CONTROLLING MULTIPLE/ADDITIONAL VOLTAGES.
* MANUAL DIMMING WHERE REQUIRED BY PLANS.
** OVERRIDE SWITCH AND TIME CLOCK CONTROL, WHERE/IF NOTED ON PLANS.
*** PROVIDE SECOND OCCUPANCY POWER PACK WHERE CONTROLLED IN ROOMS WITH VACANCY SENSORS.



TYPICAL DEVICE LABELING DETAIL
SCALE: NONE



ELECTRICAL ROOM LAYOUT
SCALE: 1/8\"/>



KEY PLAN

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: **Chris Dodson**
Date: **Oct 06, 2020**
2015 INTERNATIONAL CODES & 2020 NEC

RSN: 1491551
Permit #: 20-1874107