

City of Aurora  
Building Codes Division  
15151 E Alameda Pkwy  
Aurora, CO 80012  
(303) 739-7420



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# Notice

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Section 106.**

Project: Remediation  
Contractor: \_\_\_\_\_  
Address: 1411 S. Portman #100  
RSN: 27411  
Permit Number: 196750  
Date: AUG 2 4 2007

Occ. Type: B  
Const. Type: 2 If 1 hr. spnk  
Square Footage: 8227  
Code: 2006 1 codes

Permit Number 07 196750  
Plan Location 118.2-A

Completed Reviews  
 2006 IBG BP 2006 IFC BP  
 2006 IMC BP 2006 IFGC BP  
 2006 IPC BP 2005 NEC ARM



# Cabinet Replacement at Aurora Dialysis

at  
1411 South Potomac Street, Suite 100  
Aurora, Colorado 80012

for



Sundance Division  
601 Hawaii Avenue  
El Segundo, California 90245

## ABBREVIATIONS

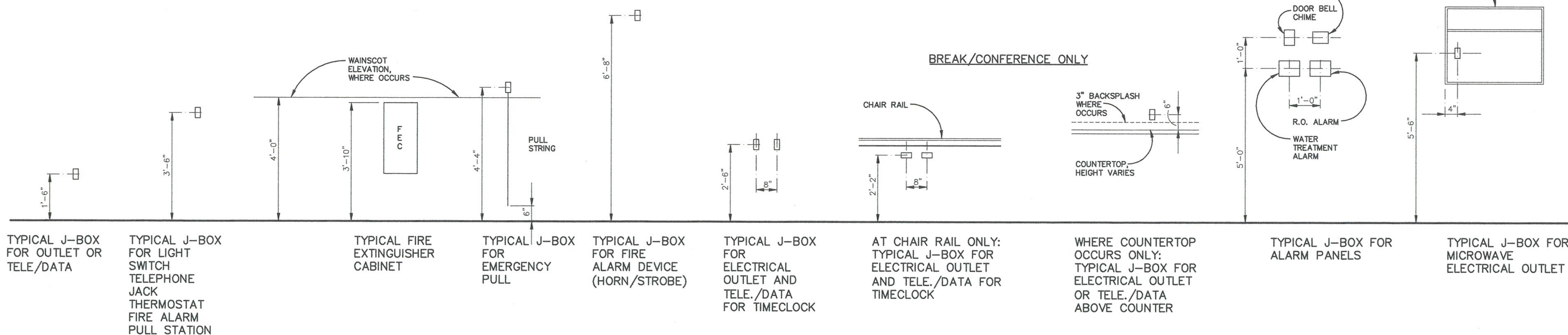
NOTE: NOT ALL ABBREVIATIONS MAY APPLY TO THIS SET OF DRAWINGS.

ACT	ACQUASTIC CEILING TILE
ADJ	ADJUSTABLE
ALUM	ALUMINUM
APPROX	APPROXIMATE
BO	BOARD
CG	CORNER GUARD
CLG	CEILING
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
CONTR	CONTRACTOR
CT	CERAMIC TILE
DISP	DISPENSER
DN	DOWN
EDF	ELECTRIC DRINKING FOUNTAIN
ELEV	ELEVATION
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP	EXPANSION
FAC	FACTORY
FEC	FIRE EXTINGUISHER CABINET
FLUOR	FLUORESCENT
FIB	FIBERGLASS REINFORCED PANEL
FURN	FURNISHED
GYP	GYPSONUM
HW	HARDWARE
HR	HOLLOW METAL
HT	HEIGHT
INCAN	INCANDESCENT
INSUL	INSULATION
KS	KNEE SPACE
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
NC	NURSE CALL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OFI	OWNER FURNISHED, CONTRACTOR INSTALLED
PART BD	PARTICLE BOARD
PLAS LAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
PT, P	PAINT
R	REFLECTED CEILING PLAN
RFP	REFLECTED
REFL	ROUGH OPENING
RO	SINGLE
SAC	SUSPENDED ACOUSTICAL CEILING
SC	SOLID CORE
SM	SIMILAR
STRUCT	STRUCTURAL
STL	STEEL
SUSP	SUSPENDED
SV	SHEET VINYL
T	TREAD
TEMP	TEMPERED
TL	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL TILE
VERT	VERTICAL
VF	VERIFY IN FIELD
WVC	WALL COVERING
WC	WOOD
WD	WALL PROTECTION PANEL
WPP	

## JOB SPECIFIC NOTES

- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE BEGINNING WORK. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY IN WRITING BEFORE WORK BEGINS.
- CAREFULLY EXAMINE THE CONSTRUCTION SITE TO DETERMINE THE EXTENT OF THE WORK AND THE EXISTING CONDITIONS. NO EXTRA PAYMENTS WILL BE ALLOWED FOR CLAIMS FOR ADDITIONAL WORK THAT COULD HAVE BEEN DETERMINED BY SUCH INSPECTION.
- CHECK AND VERIFY DOCUMENTS AND FIELD CONDITIONS FOR ACCURACY, CONFIRMING THAT EXISTING CONDITIONS ARE AS DOCUMENTED BEFORE BEGINNING CONSTRUCTION. IF ANY QUESTIONS OR CONCERNS ARISE, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING CLARIFICATIONS FROM THE ARCHITECT BEFORE PROCEEDING.
- ALL WORK SHALL BE PERFORMED BY SKILLED AND QUALIFIED WORKMEN FOLLOWING THE BEST AND ESTABLISHED PRACTICES OF THE TRADES INVOLVED USING PUBLISHED TRADE ASSOCIATION STANDARDS AND GUIDELINES.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK BETWEEN THE TRADES AND FOR THE PROPER SCHEDULING OF WORK AND TRADES ON THE JOB.
- ALL MATERIALS SHALL BE NEW, UNUSED, AND OF THE HIGHEST QUALITY IN EVERY RESPECT UNLESS OTHERWISE NOTED. MANUFACTURED MATERIALS AND EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDED INSTRUCTIONS.
- ALL WORK SHALL BE PERFORMED BY THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
- THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION. SAFETY PRECAUTIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR. GOVERNING CODES AND ORDINANCES SHALL APPLY.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A CLEAN PROJECT, FREE FROM TRASH AND DEBRIS. FLOORS SHALL BE KEPT CLEAN AND SWEEPED. ADJACENT WORK SHALL BE PROTECTED FROM ONGOING WORK, DAMAGE, OVERSPRAY, ETC. ALL FIXTURES, EQUIPMENT AND FINISHES SHALL BE LEFT CLEAN AND READY FOR OCCUPANCY. EXISTING WORK SHALL BE KEPT PROTECTED FROM NEW CONSTRUCTION ANY DAMAGE TO EXISTING CONDITIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL EQUIPMENT AND/OR APPLIANCES SPECIFIED UNLESS OTHERWISE NOTED. OWNER SUPPLIED EQUIPMENT SHALL BE INSTALLED BY CONTRACTOR. CONTRACTOR SHALL VERIFY ALL ROUGH DIMENSIONS OF ALL EQUIPMENT BEFORE FABRICATION OF ANY ADJACENT WORK.
- PROVIDE BLOCKING BEHIND ALL WALL MOUNTED DOOR STOPS, RESTROOM ACCESSORIES, MILLWORK, ETC., TO PROVIDE PROPER AND STRONG ATTACHMENT.
- SUBMIT SHOP DRAWINGS ON ALL SPECIFIED ITEMS FOR ARCHITECT'S APPROVAL BEFORE FABRICATION.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL EXIT SIGNS AS REQUIRED BY LOCAL CODES.
- ALL DOORS SHALL CONFORM TO THE IBC CHAPTER 10.
- ALL WORK SHALL CONFORM TO THE CURRENT IBC AS APPROVED BY THE STATE AND ALL LOCAL CODES AND ORDINANCES.
- EXITS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE DURING NORMAL BUSINESS HOURS.
- ALL INTERIOR FINISHES SHALL COMPLY WITH IBC TABLE 803.4 FOR ALL FLAME SPREAD CLASSIFICATIONS.
- ANY UTILITIES IN THE WAY OF NEW CONSTRUCTION SHALL BE REMOVED, RELOCATED OR REPLACED AS DIRECTED. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR SPECIFIC REQUIREMENTS.
- CONTRACTOR TO Haul OFF AND LEGALLY DISPOSE OF ALL CONSTRUCTION DEBRIS OFF-SITE.
- ALL GLASS SUBJECT TO HUMAN IMPACT SHALL CONFORM TO THE STANDARD SET FORTH BY CHAPTER 24 OF THE INTERNATIONAL BUILDING CODE.
- PATCH AND FILL ALL PENETRATIONS AND/OR OPENINGS THROUGH WALLS AND ROOFS.
- PROVIDE SUPPORT FOR ALL PIPES, CONDUITS, DUCTWORK, ETC. IN ACCORDANCE WITH CURRENT CODES. ELECTRICAL CONDUIT SHALL BE SUPPORTED IN ACCORDANCE WITH THE NEC.
- NEW PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE PACKED SOLID WITH APPROVED MATERIALS AND METHODS MEETING THE STATE AND ALL LOCAL CODES AND ORDINANCES.
- EXTEND FINISHES BEHIND CABINETS AND SHelves.
- CLEAN AND PATCH HOLES IN SURFACES TO RECEIVE NEW FLOOR COVERING, BASE, CEILING TILE OR PAINT FINISH.
- PROVIDE SURFACE TREATMENT OR PREPARATION AS NEEDED ON WALLS, SUCH AS PAINTED WALLS, PRIOR TO RECEIVING NEW FINISH.
- THE GENERAL CONTRACTOR SHALL PAY FOR ALL BUILDING FEES AND SECURE ALL NECESSARY PERMITS FOR PROPER COMPLETION OF THE WORK.
- IF ASBESTOS OR OTHER HAZARDOUS MATERIAL IS DISCOVERED DURING CONSTRUCTION, NOTIFY THE OWNER IMMEDIATELY FOR ACTION, HANDLING AND DISPOSAL OF MATERIAL. NO FURTHER WORK SHALL BE DONE IN THE IMMEDIATE AREA IN QUESTION. HAZARDOUS MATERIALS, IF ENCOUNTERED, WILL BE HANDLED BY THE OWNER UNDER A SEPARATE CONTRACT. ALL HAZARDOUS MATERIALS AND MATERIALS/FINISHES LOADED WITH HAZARDOUS MATERIALS WILL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH ALL GOVERNING AGENCY STATUTES WHICH APPLY TO THE TYPE OF HAZARDOUS MATERIAL.
- CONTRACTOR IS RESPONSIBLE FOR AUTOMATIC FIRE SPRINKLER DESIGN, IN ACCORDANCE WITH NFPA-13 AND ALL LOCAL CITY AND STATE CODES AND ORDINANCES. CONTRACTOR TO PROVIDE ARCHITECT WITH SHOP DRAWINGS SUBMITTED TO STATE FIRE MARSHALL FOR APPROVAL AND WITH ONE SET OF FIRE MARSHALL APPROVED DRAWINGS. FIRE SPRINKLER DESIGN MUST BE COORDINATED WITH ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DESIGNS AND CONSTRUCTION. LEAVE A SET OF STAMPED AND APPROVED DRAWINGS (INCLUDING FIRE MARSHALL) WITH OWNER.

## TYPICAL FIXTURE MOUNTING HEIGHTS



## SYMBOL LEGEND

- PARTITION WALL. 5/8" GYP. BOARD, BOTH SIDES OVER 3 5/8" 22 GAUGE METAL STUDS AT 24" O.C. WALL TO 4" ABOVE SUSPENDED ACOUSTICAL CEILING OR AS DETAILED OR NOTED.
- INTERIOR SOUND WALL. 5/8" GYP. BD. (BOTH SIDES) OVER 3 5/8" 22 GAUGE METAL STUDS @ 24" O.C. WITH 3 1/2" SOUND BATT INSULATION. ASSEMBLY TO 4" ABOVE CEILING UNLESS NOTED OTHERWISE ON PLAN.
- NEW LOW PARTITION. 5/8" GYP. BOARD, BOTH SIDES, OVER 3 5/8" 22 GAUGE METAL STUDS AT 24" O.C. SEE FLOOR PLAN FOR HEIGHT AND DETAILS. PROVIDE 2" X 2" STEEL TUBE BRACE ANCHORED TO FLOOR AND METAL STUDS AT 48" O.C. AND AT CORNERS AND ENDS. SEE DETAILS 3/A-5, 4/A-5 AND 5/A-5 FOR CAP.
- INTERIOR ELEVATION REFERENCE, SEE FLOOR PLAN AND INTERIOR ELEVATIONS
- DETAIL REFERENCE
- NEW DOOR, SEE DOOR SCHEDULE

Attach drywall with screws per 2006 COA 22-145, 22-193

## NOTE:

CONTRACTOR SHALL FLOAT NEW CONCRETE, AS REQUIRED, FOR SMOOTH FINISHES OF FLOOR SURFACES AND AT ALL FLOOR TRANSITIONS.

## NOTE:

CONTRACTOR SHALL PROVIDE AND INSTALL R-30 BATT INSULATION AT THE UNDERSIDE OF THE EXISTING DECK.

## NOTE:

AT ALL LOCATIONS OF NEW CONCRETE AS REQUIRED FOR PLUMBING AND ELECTRICAL TRENCHES, ETC., CONTRACTOR SHALL INSTALL #4 REBAR @ 18" O.C., BOTH SIDES, EMBEDDED 3" INTO EXISTING CONCRETE EDGE AND ADHERED WITH EPOXY.

## COORDINATION NOTES

- REFER TO JOB SPECIFIC NOTES ON SHEET T-1.
- MECHANICAL, PLUMBING AND ELECTRICAL SUBCONTRACTORS ARE REQUIRED TO COORDINATE WITH EACH OTHER AND TO REFER TO ALL SHEETS IN THE SET FOR CONSTRUCTION CONDITIONS, NOT JUST THE DRAWINGS PERTAINING TO THEIR DISCIPLINE.
- FINAL LOCATION OF ALL SURFACE FEATURES ARE TO BE VERIFIED WITH ARCHITECTURAL DRAWINGS AND/OR ARCHITECT PRIOR TO INSTALLATION.

## PROJECT DATA

OWNER: DAVITA SUNDANCE DIVISION 601 HAWAII AVENUE EL SEGUNDO, CALIFORNIA 90245  
ARCHITECT: SEARER, ROBBINS & STEPHENS 5045 NORTH 12TH STREET, SUITE 111 PHOENIX, ARIZONA 85014 (602) 277-1187  
MECHANICAL, PLUMBING AND ELECTRICAL: GIVEN & ASSOCIATES, INC. 735 XENON COURT, SUITE 201 LAKEWOOD, COLORADO 80228 (303) 716-1270

## CODE DATA

TITLE OF PROJECT: AURORA DIALYSIS CENTER REMODEL  
PROJECT ADDRESS: 1411 SOUTH POTOMAC STREET, SUITE 100, AURORA, COLORADO 80012  
GOVERNING CODES AND AGENCIES: 2003 INTERNATIONAL BUILDING CODE, 2003 INTERNATIONAL MECHANICAL CODE, 2003 INTERNATIONAL PLUMBING CODE, 2003 INTERNATIONAL FIRE CODE, 2005 NATIONAL ELECTRICAL CODE, AMERICANS WITH DISABILITIES ACT (ADA)  
BUILDING DATA: OCCUPANCY: GROUP B  
FIRE SPRINKLERED: YES  
FIRE ALARM: YES  
AREA OF SUITE: 8,227 S.F.  
*Construction type II, fire sprink.*

## City of Aurora Plan Review

Project: *Remodel*  
Contractor: *1411 S Potomac + 100*  
Address: *1411 S Potomac + 100*  
RSN: *27411*  
Permit Number: *196750*  
Date: *AUG 24 2007*

## City of Aurora Plan Review

Occ. Type: *B*  
Const. Type: *II, fire sprink*  
Square Footage: *8,227*  
Code: *2006 IBC codes*

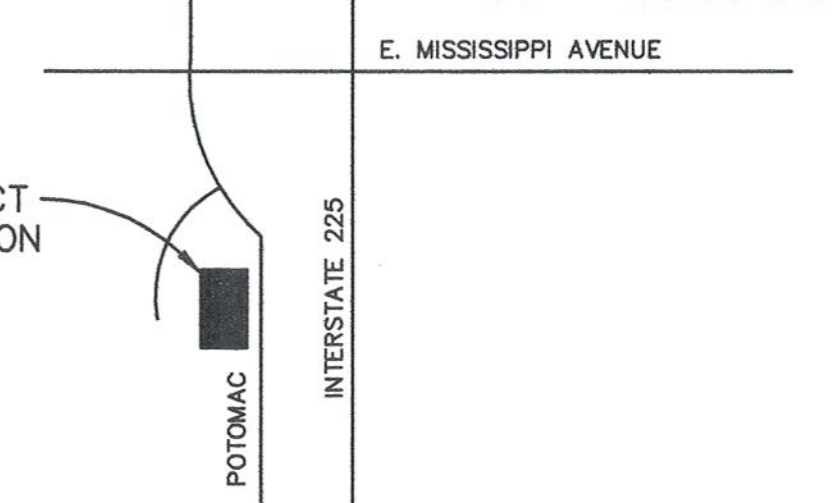
Code violations found during inspection are required to be corrected. Plan/Permit issuance does not grant approval of a code violation. 2006 IBC 105.4.

This plan was reviewed for adopted codes and NOT reviewed for compliance with ADA or FMA accessibility. Contact 800-949-4232 (ADA) and 303-894-7822x335 (FMA) for federal accessibility requirements that apply to your project.

This plan is reviewed to IBC but the existing building is NOT converted to IBC. The construction type listed is UBC, Occupancy Group is IBC.

CITY OF AURORA  
BUILDING DIVISION  
APPROVED AS NOTED  
DATE: *AUG 24 2007*  
*07 196750*

PROJECT LOCATION

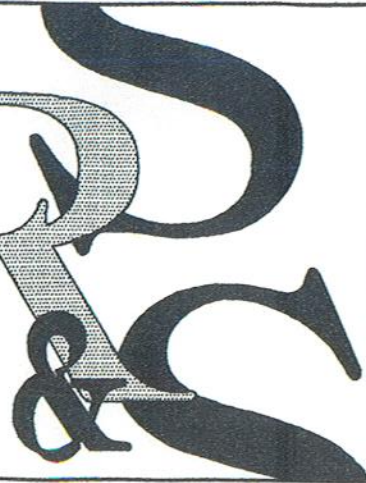


## VICINITY MAP

SCALE: N.T.S.

## SHEET INDEX

SHEET COUNT	SHEET NO.	SHEET DESCRIPTION
1	T-1	TITLE SHEET
2	A-1	DEMOLITION PLAN
3	A-2	FLOOR PLAN
4	A-3	CABINET DETAILS
5	M1	SPECS AND SCHEDULES
6	M2	MECHANICAL DEMO
7	M3	MECHANICAL FLOOR PLAN
8	E1	SPECS SYMBOLS AND ONE-LINE
9	E2	1ST FLOOR ELECTRICAL DEMO PLAN
10	E3	ELECTRICAL LIGHTING PLAN
11	E4	ELECTRICAL POWER PLAN

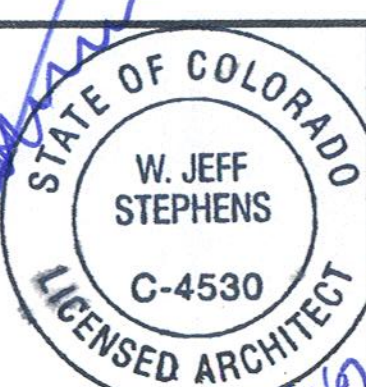


SEARER, ROBBINS & STEPHENS, INC.  
ARCHITECTURE  
5045 NORTH 12TH STREET, SUITE 111, PHOENIX, ARIZONA 85014  
(602) 277-1187 FAX (602) 277-8979

TITLE SHEET

DRAWN: DBR  
CHECKED: DBR  
JOB NO.: 0768  
DATE: AUG. 3, 2007

## REVISIONS

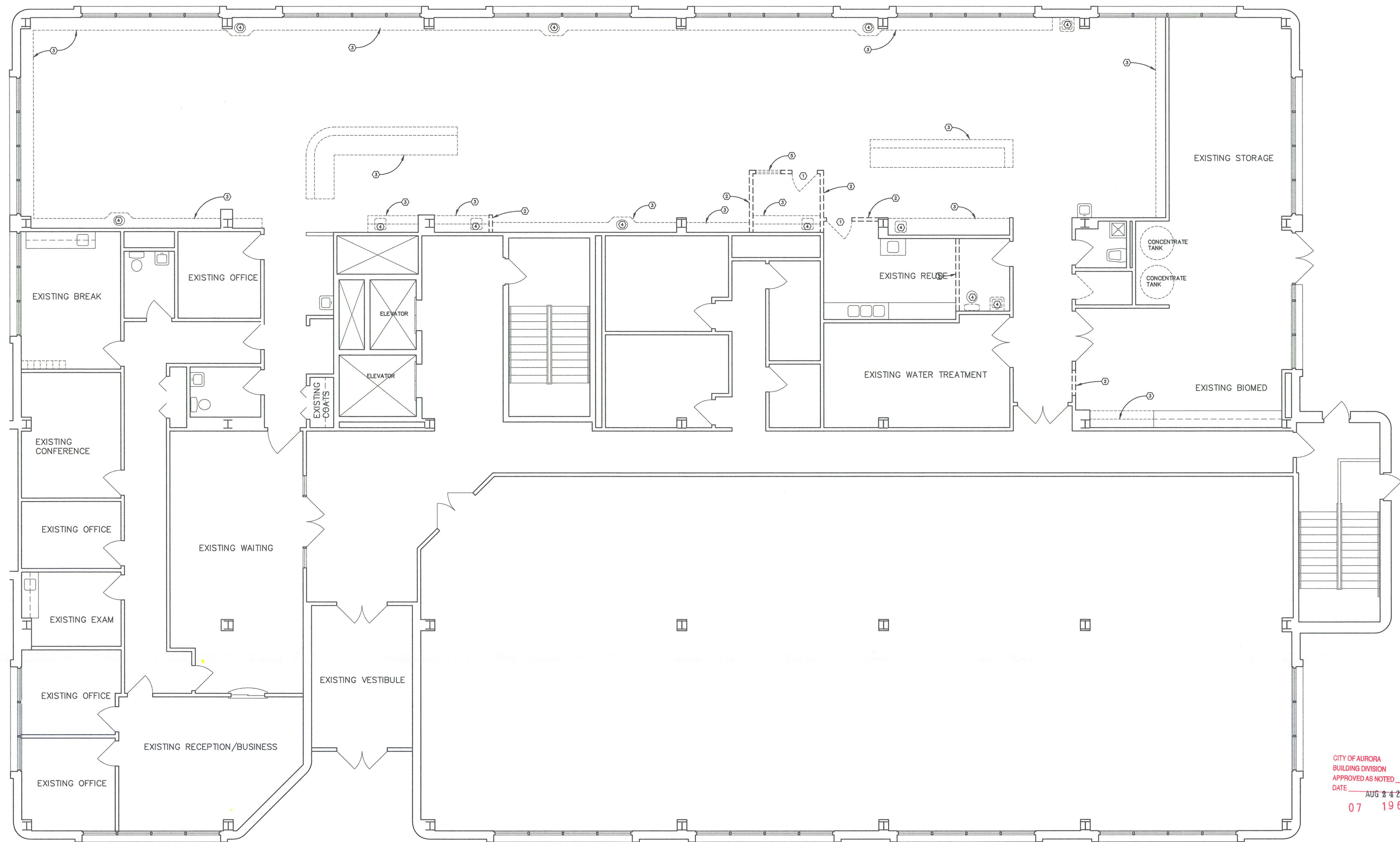


Davita  
Cabinet Replacement at Aurora Dialysis  
at  
1411 South Potomac Street, Suite 100  
Aurora, Colorado 80012

SHEET NO.

T-1





CITY OF AURORA  
BUILDING DIVISION  
APPROVED AS NOTED  
DATE AUG 3 4 2007  
07 196750

#### DEMOLITION NOTES (GENERAL)

1. THE CONTRACTOR FOR THIS WORK SHALL BE RESPONSIBLE FOR THE SAFE PROSECUTION OF THE WORK OF THIS SECTION AND SHALL COMPLY WITH THE REQUIREMENTS OF GOVERNING BUILDING CODES AND ALL OTHER GOVERNING CODES, LATEST EDITIONS. THIS CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS NECESSARY.
2. PROVIDE AND INSTALL ALL SHORING, BRACING AND/OR BARRICADES REQUIRED TO PROTECT THE PUBLIC AND PREVENT MOVEMENT, SETTLEMENT OR COLLAPSE OF STRUCTURES TO BE DEMOLISHED AND ADJACENT STRUCTURES TO REMAIN.
3. ALL WORK SHALL BE COORDINATED WITH THE WORK OF OTHER TRADES IN AFFECTED AREAS AND WITH UTILITY COMPANIES AS NECESSARY.
4. ALL OPERATIONS SHALL BE PLANNED TO CAUSE THE MINIMUM AMOUNT OF INTERFERENCE WITH NORMAL ROUTINE AND FUNCTIONING OF EXISTING FACILITIES. ALL WORK SHALL BE PLANNED AND PROVIDED SO THAT THE AREAS OF OPERATION ARE SECURED AGAINST ANY UNAUTHORIZED ENTRY AT ANY TIME. ALSO ALL AREAS OF THE PROJECT SHALL BE SECURED AGAINST HARMFUL ACTIONS OF THE ELEMENTS DURING THE ENTIRE COURSE OF THE JOB. EGRESS AND ACCESS AS REQUIRED BY APPLICABLE BUILDING CODES AND OFFICIALS, FROM AND THROUGH EXISTING FACILITIES, SHALL BE MAINTAINED CONTINUOUSLY.
5. PRIOR TO THE START OF ANY DEMOLITION WORK, NOTIFY THE ARCHITECT AND SUBMIT A PROPOSED DEMOLITION SCHEDULE FOR REVIEW AND APPROVAL. CEILING, WALLS AND/OR FLOORS DAMAGED BY DEMOLITION WORK SHALL BE RESTORED TO THEIR ORIGINAL CONDITION USING THE SAME MATERIALS AS EXISTING. IN EACH ROOM OR AREA, THE CEILING SHALL BE REPAIRED AND REFERENCED TO MATCH THE REMAINING WALLS. FLOOR SHALL BE RESURFACED WITH SAME MATERIAL AS EXISTING TO THE EXTENT DIRECTED BY THE ARCHITECT. DEBRIS OF THE AMOUNT OF DAMAGE AND SHALL MATCH EXISTING. ALL ITEMS OTHER THAN WALLS, FLOORS AND/OR CEILINGS IN AFFECTED AREAS SHALL BE PROTECTED FROM DAMAGE, BUT IF DAMAGED, SHALL BE RESTORED TO NEW CONDITION OR REPLACED.
6. CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PREVENT DISTURBANCES DUE TO EXCESSIVE NOISE, DUST AND LIGHT. DEMOLITION AND CONSTRUCTION NOISE SHALL BE KEPT TO A REASONABLE MINIMUM AND ACOUSTIC AND DUST BARRICADES SHALL BE PROVIDED IN AREAS ADJACENT TO FUNCTIONING AREAS, AND IN OTHER AREAS AS DIRECTED BY THE ARCHITECT.
7. COVER AND PROTECT EQUIPMENT AND FUTURES TO REMAIN FROM SOILING OR DAMAGE WHEN DEMOLITION WORK IS PERFORMED IN AREAS FROM WHICH SUCH ITEMS HAVE BEEN REMOVED.
8. LOCATE, IDENTIFY, SHUT OFF AND DISCONNECT UTILITY SERVICES THAT ARE NOT INDICATED TO REMAIN.
9. ALL SALVAGED ITEMS ARE TO BE CAREFULLY REMOVED, CLEANED AND PROTECTED FROM DAMAGE DURING DEMOLITION OPERATION. LABEL AND IDENTIFY EACH ITEM AS IT IS REMOVED FROM EACH ROOM TO INSURE PROPER REINSTALLATION AND AVOID CONFLICTS.
10. UPON COMPLETION OF CONSTRUCTION WORK, REMOVE TOOLS, EQUIPMENT, DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM CONSTRUCTION OPERATIONS FROM BUILDING SITE. REMOVE PROTECTION AND LEAVE AREA CLEAN. TRANSPORT AND LEGALLY DISPOSE OF ALL MATERIALS OFF-SITE.
11. BURNING OF REMOVED MATERIALS IS NOT PERMITTED ON PROJECT SITE.
12. REPAIR DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED. RETURN STRUCTURES AND SURFACES TO REMAIN TO EXISTING CONDITION PRIOR TO COMMENCEMENT OF SELECTIVE DEMOLITION WORK. REPAIR ADJACENT CONSTRUCTION OR SURFACES SOLED OR DAMAGED BY SELECTIVE DEMOLITION WORK.
13. WHERE EXISTING WALLS ARE TO BE REMOVED, FILL ANY DEPRESSION IN FLOOR UNDER WALL OR CEILING AND PROVIDE LEVELERS SO THAT A UNIFORM LEVEL FLOOR, WALL OR CEILING READY FOR NEW FINISH WILL RESULT ON EACH SIDE OF WALL. THE CONTRACTOR FOR THE WORK SHALL BE RESPONSIBLE FOR THE SAFE PROSECUTION OF THE WORK OF THIS SECTION AND SHALL COMPLY WITH THE REQUIREMENTS OF GOVERNING BUILDING CODES AND ALL OTHER GOVERNING CODES, LATEST EDITIONS. THIS CONTRACTOR SHALL PAY FOR AND OBTAIN ALL PERMITS NECESSARY.

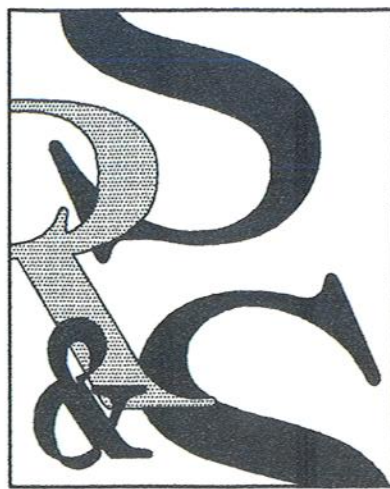
#### DEMOLITION NOTES (KEYED)

- EXISTING CONSTRUCTION TO BE REMOVED IS INDICATED ON THE DRAWINGS. ALL DEMOLITION IS NOT SHOWN. REMOVE ALL ITEMS NECESSARY FOR NEW CONSTRUCTION. IF THE CONTRACTOR IS UNCERTAIN OF ANY REMOVAL, THE ARCHITECT SHALL BE CONTACTED. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- ① EXISTING DOOR AND FRAME TO BE REMOVED, AS REQUIRED, FOR NEW CONSTRUCTION.
  - ② EXISTING PARTITION TO BE REMOVED, AS REQUIRED, FOR NEW CONSTRUCTION.
  - ③ EXISTING CABINET TO BE REMOVED, AS REQUIRED, FOR NEW CONSTRUCTION.
  - ④ EXISTING PLUMBING FIXTURE TO BE REMOVED, AS REQUIRED, FOR NEW CONSTRUCTION.
  - ⑤ EXISTING WINDOW AND FRAME TO BE REMOVED, AS REQUIRED, FOR NEW CONSTRUCTION.

#### DEMOLITION PLAN

0 1 2 4 8

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

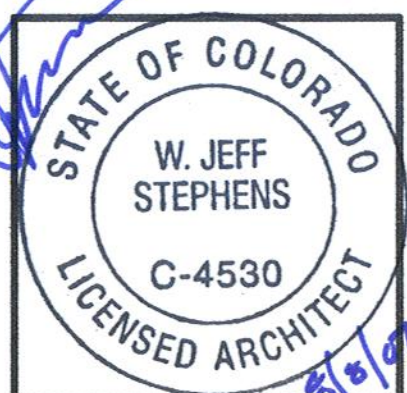


**SEARER, ROBBINS & STEPHENS, INC.**  
ARCHITECTURE  
INTERIORS  
5045 NORTH 12TH STREET, SUITE 111, PHOENIX, ARIZONA 85014  
(602) 277-1187 FAX: (602) 277-9879

#### DEMOLITION PLAN

DRAWN \_\_\_\_\_ DBR  
CHECKED \_\_\_\_\_ DBR  
JOB NO. 0768  
DATE AUG. 3, 2007

#### REVISIONS

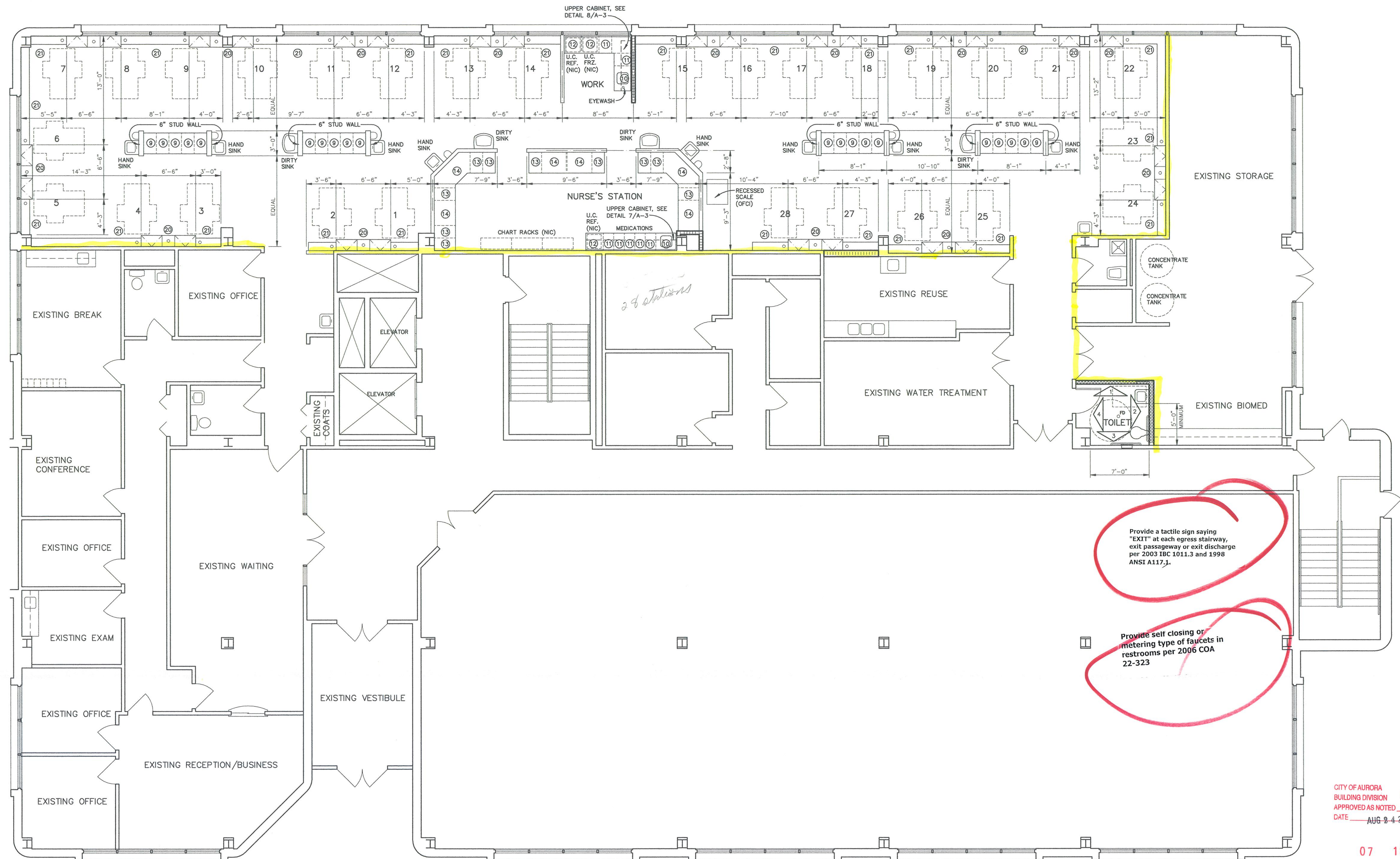


**Davita**  
Cabinet Replacement at Aurora Dialysis  
1411 South Potomac Street, Suite 100  
Aurora, Colorado 80012

SHEET NO.

A-1





FLOOR PLAN

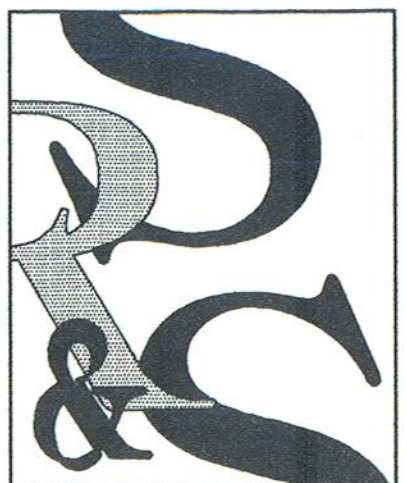
0 1 2 4 8

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



CITY OF AURORA  
BUILDING DIVISION  
APPROVED AS NOTED  
DATE AUG 24 2007

07 196750



SEARER, ROBBINS & STEPHENS, INC.

ARCHITECTURE INTERIORS PLANNING

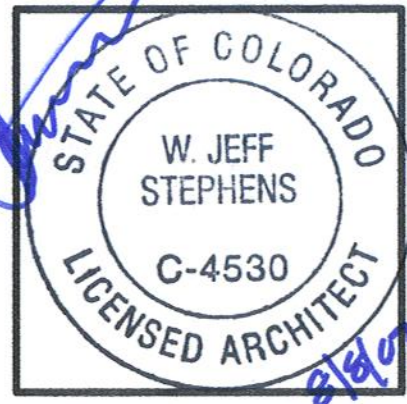
5045 NORTH 12TH STREET, SUITE 111, PHOENIX, ARIZONA 85014

(602) 277-1187 FAX (602) 277-9879

FLOOR PLAN

DRAWN DBR  
CHECKED DBR  
JOB NO. 0768  
DATE AUG. 3, 2007

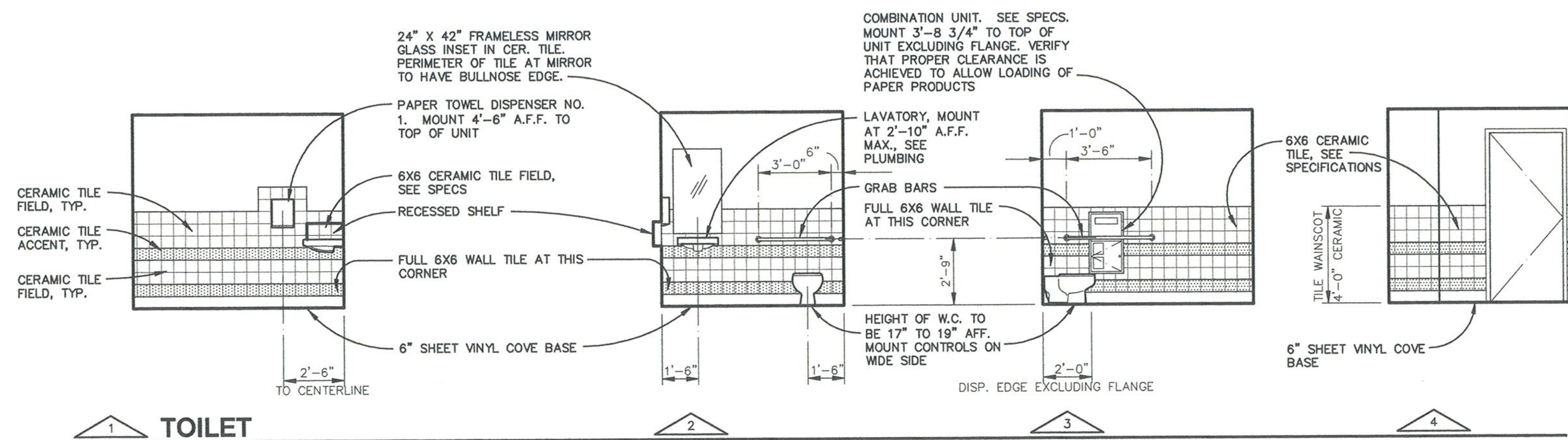
REVISIONS



**Davita**  
Cabinet Replacement at Aurora Dialysis  
1411 South Potomac Street, Suite 100  
Aurora, Colorado 80012

SHEET NO.  
**A-2**

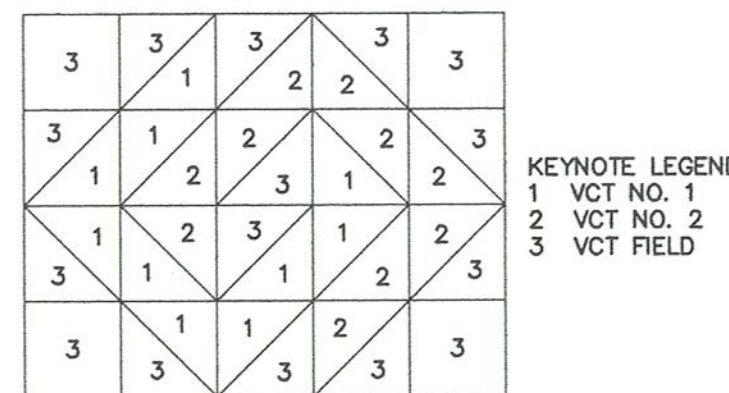
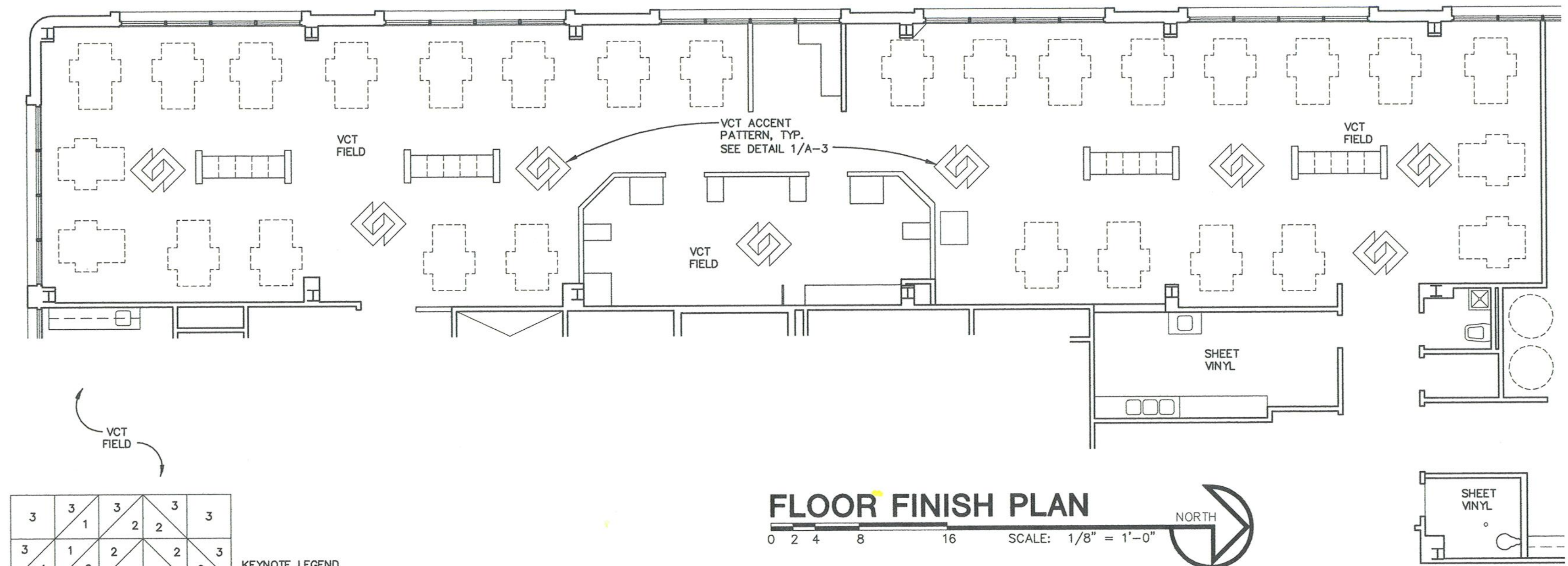




### COORDINATION NOTES

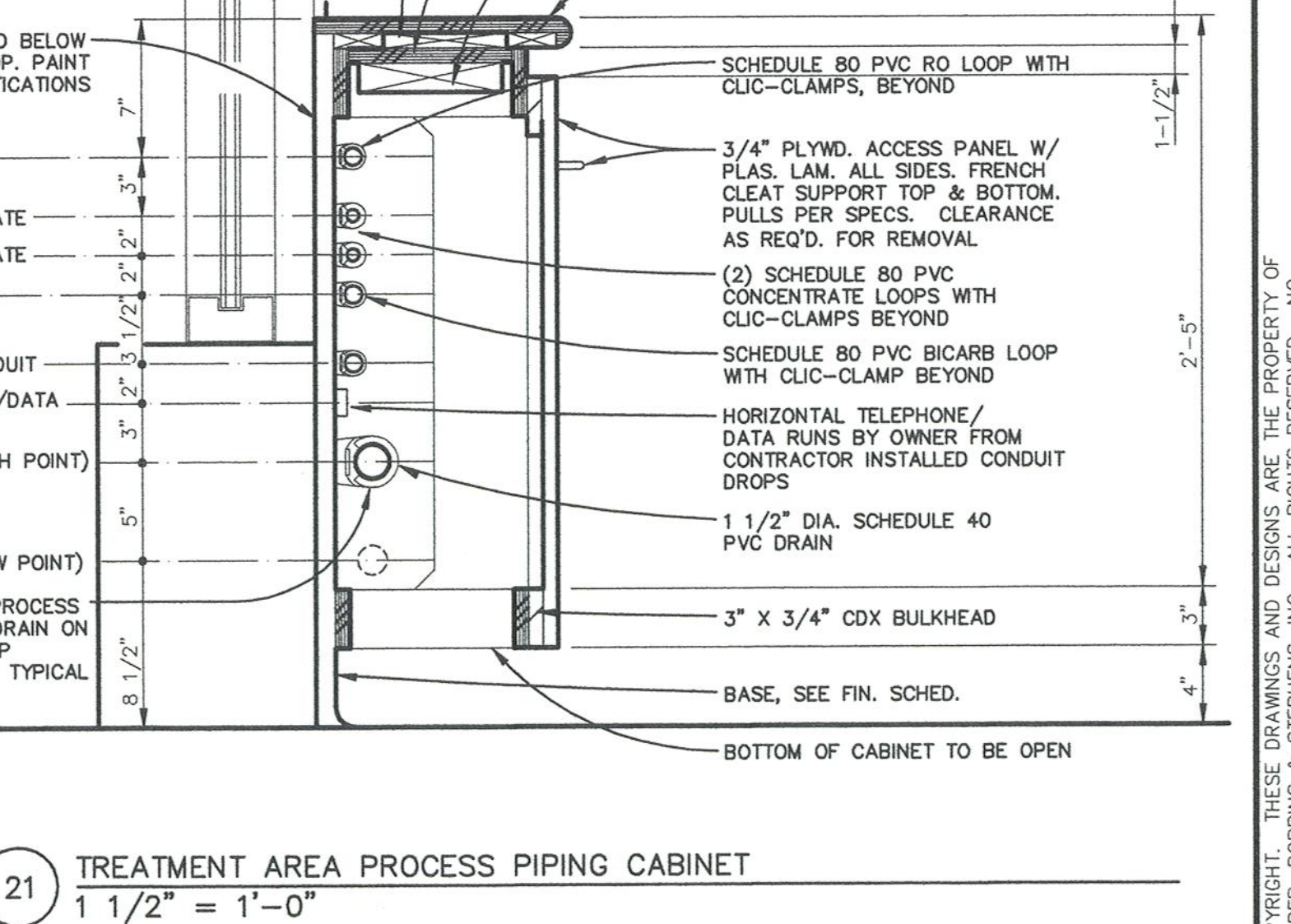
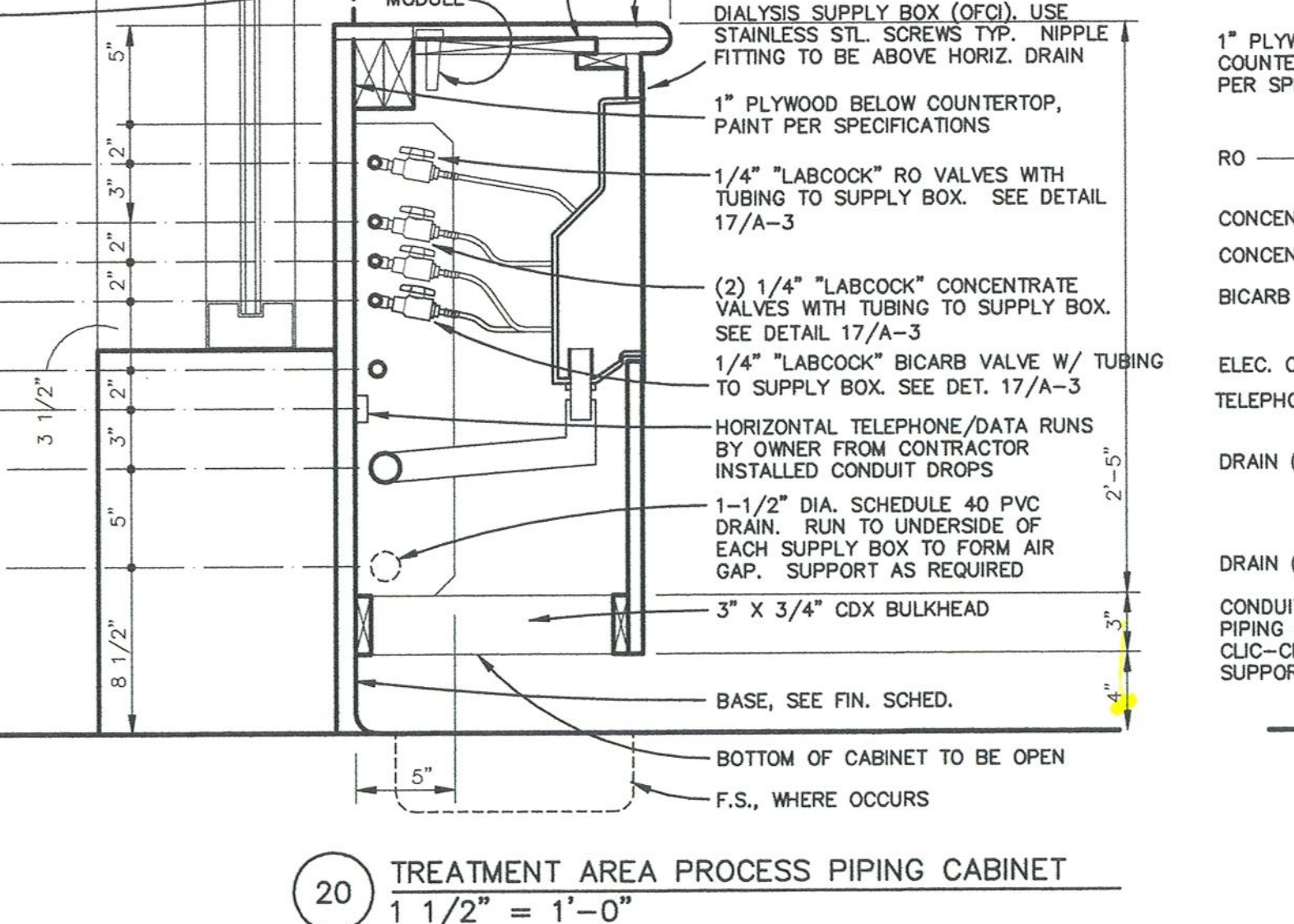
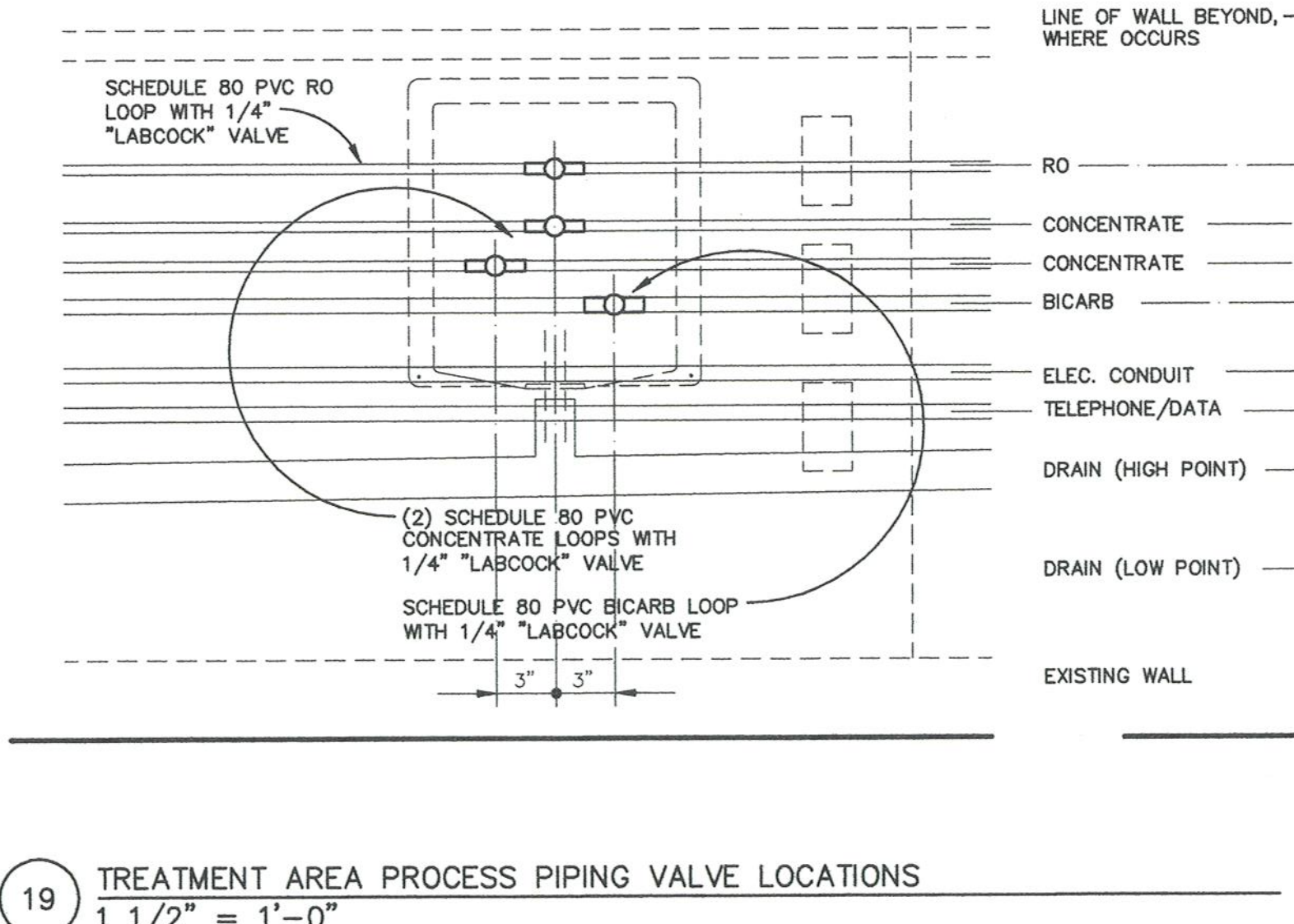
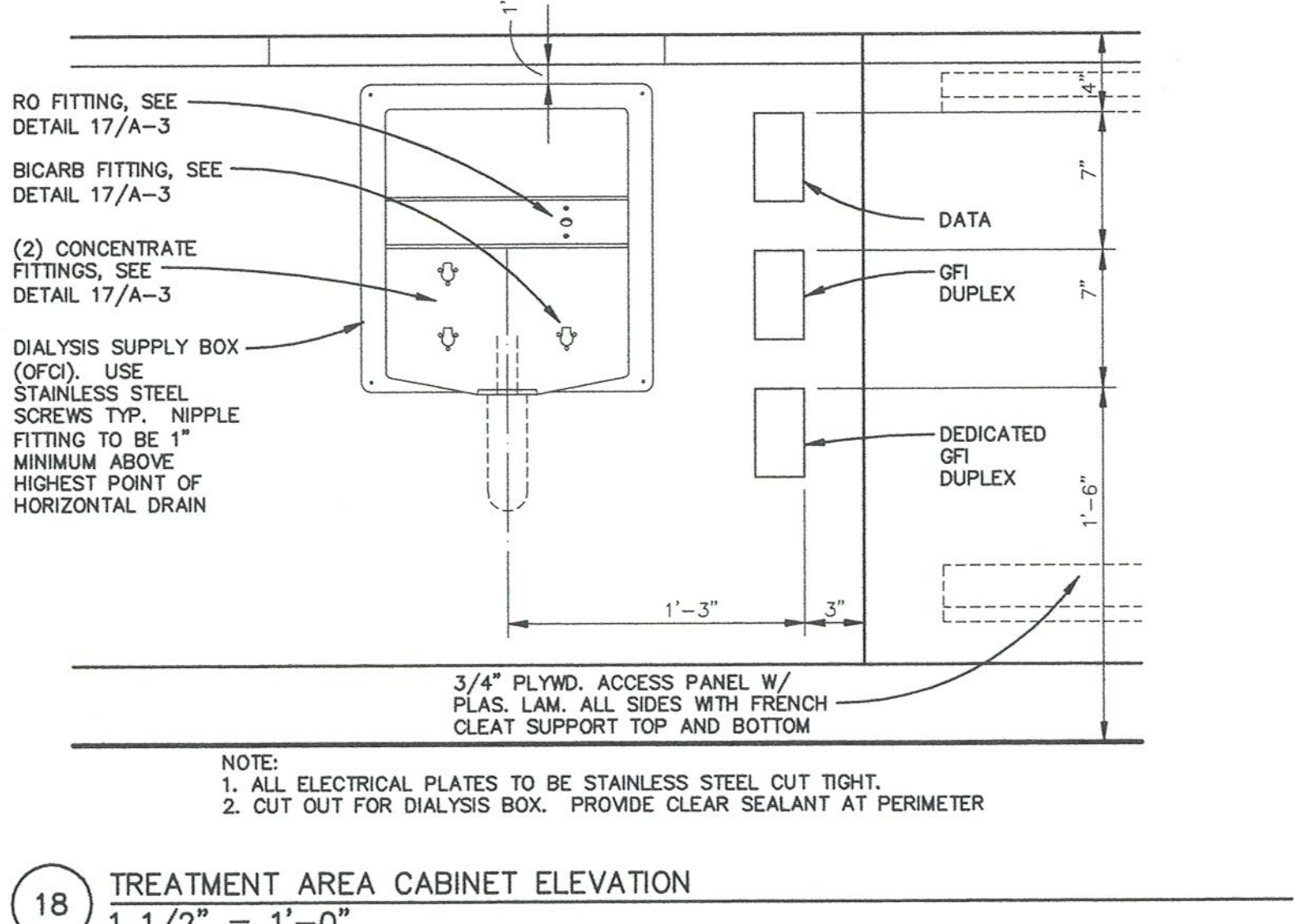
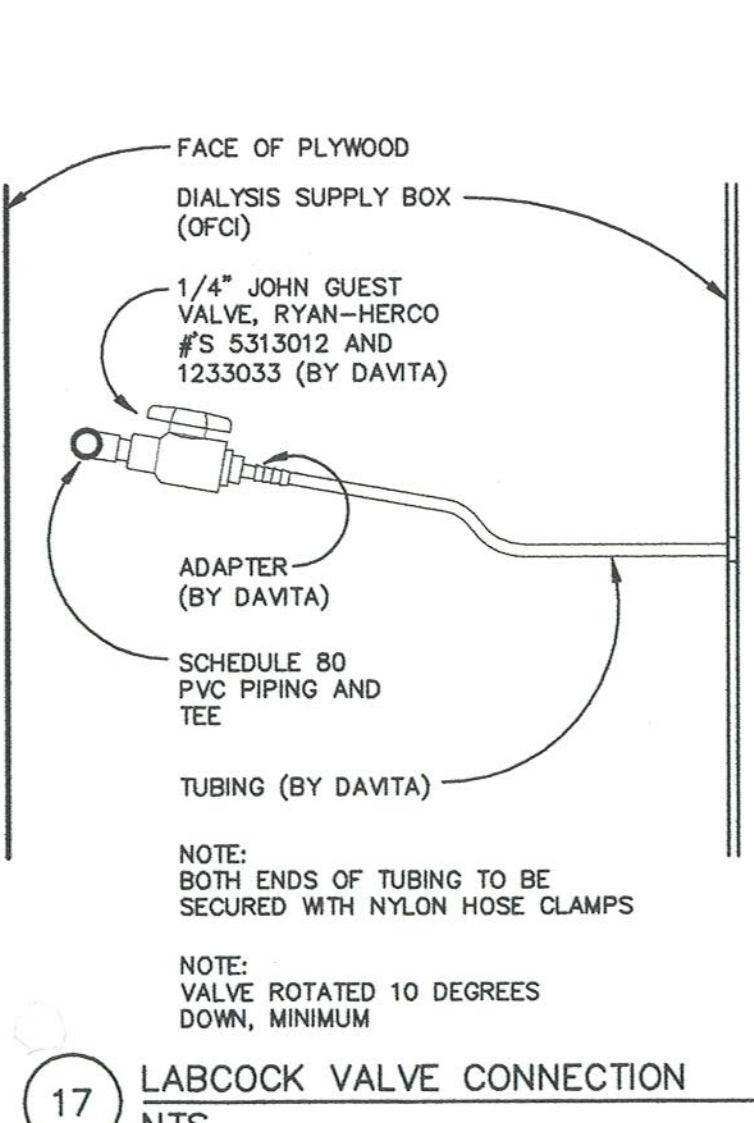
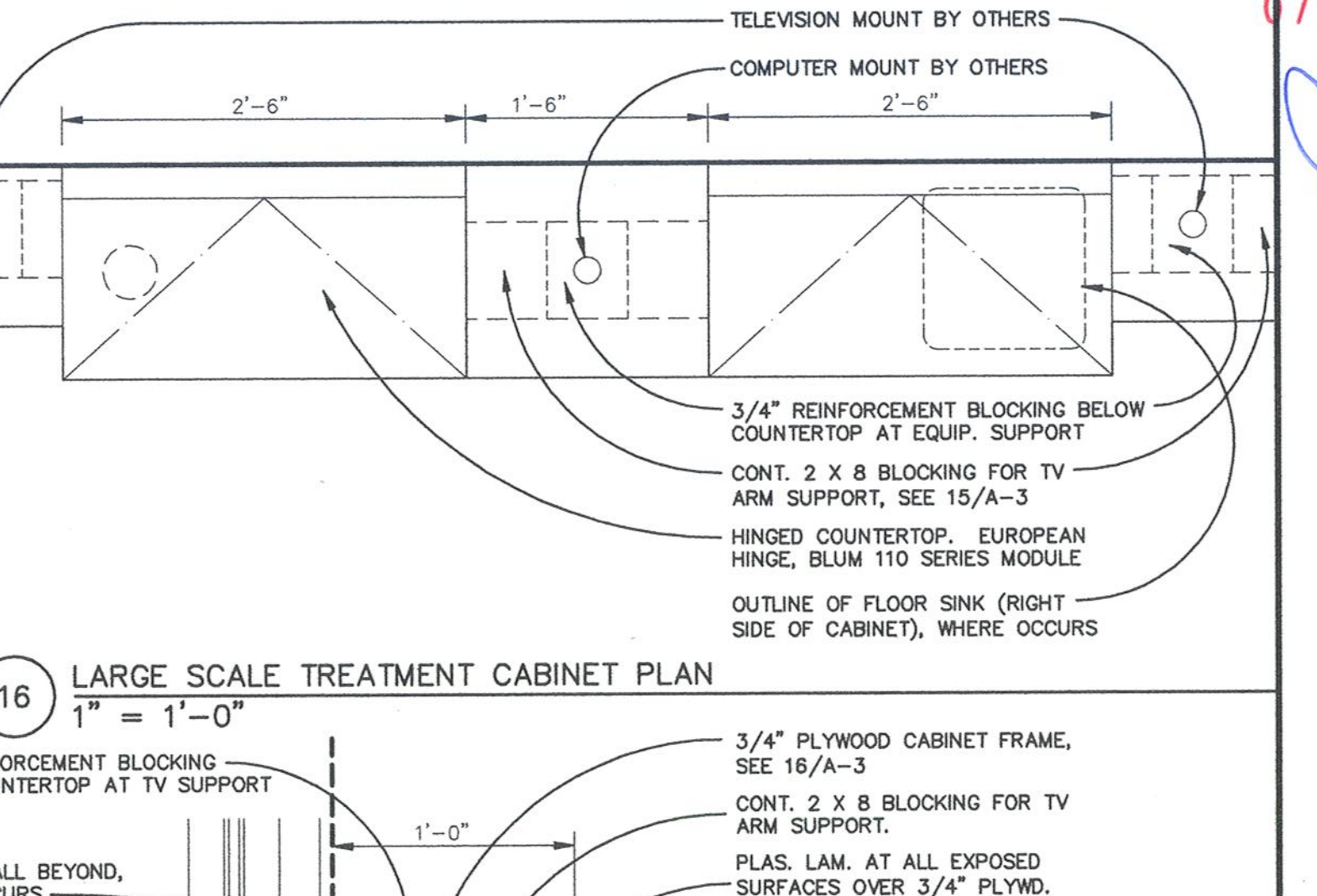
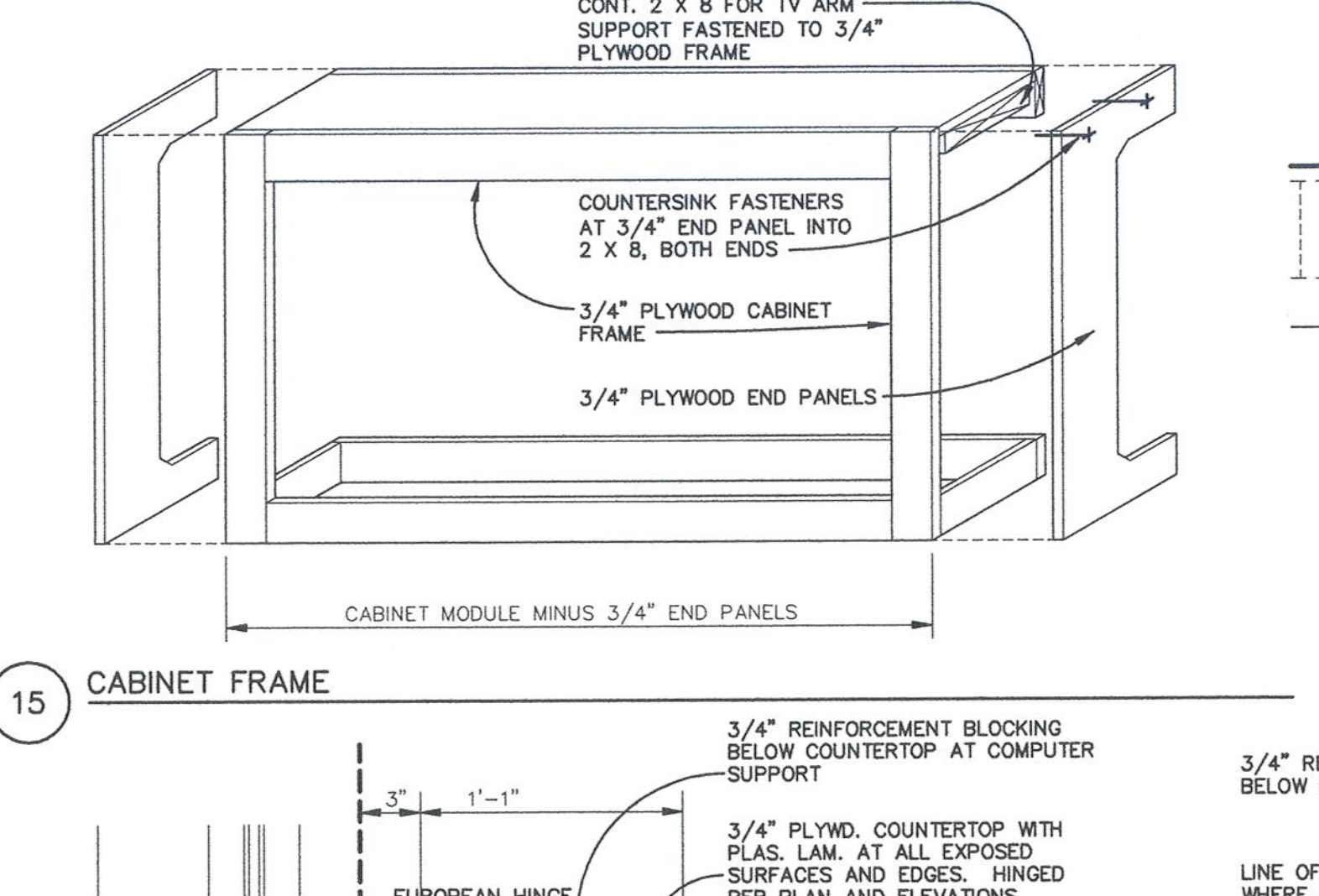
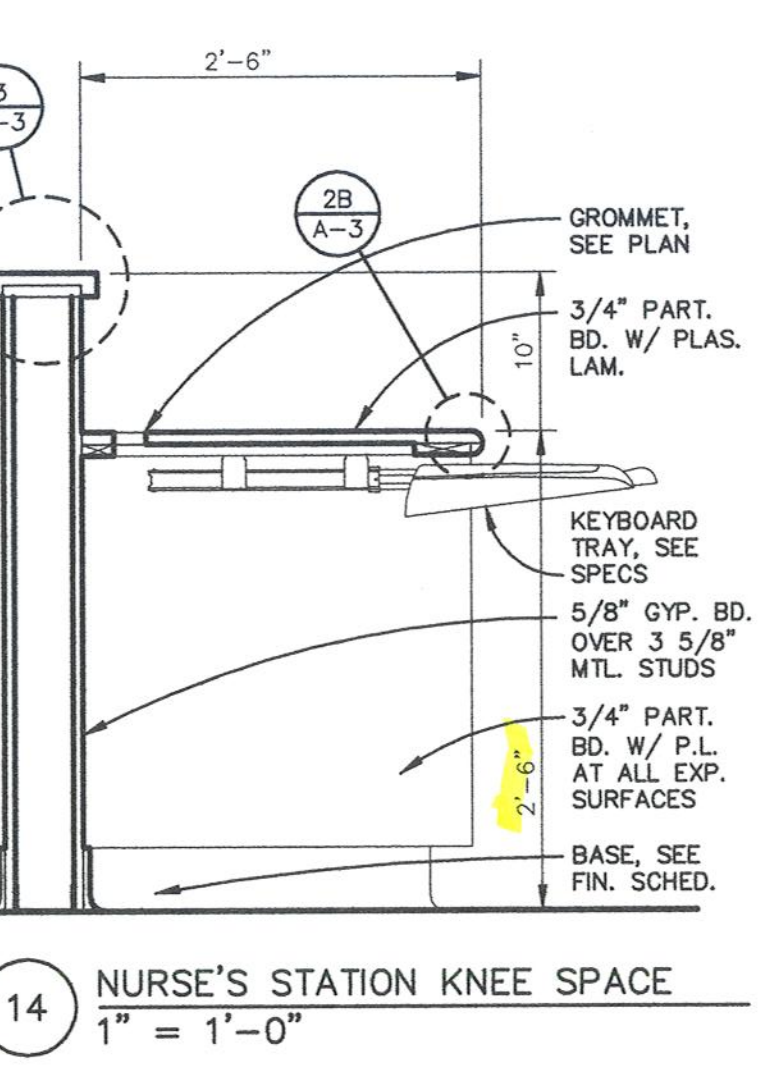
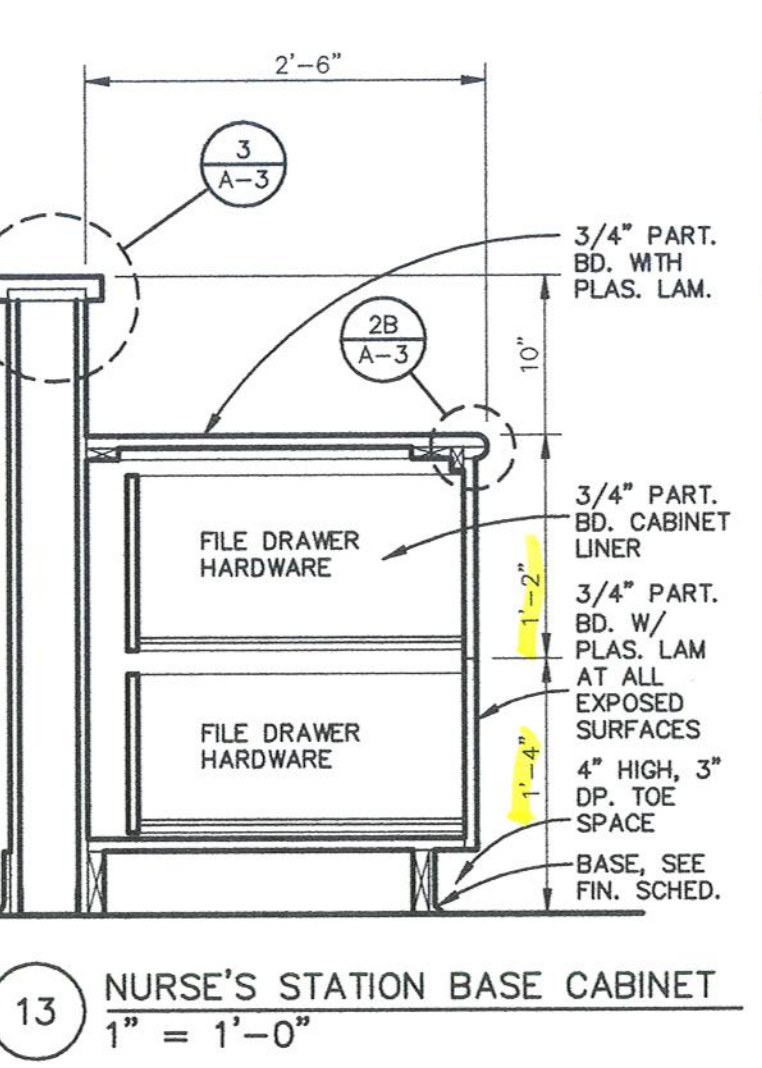
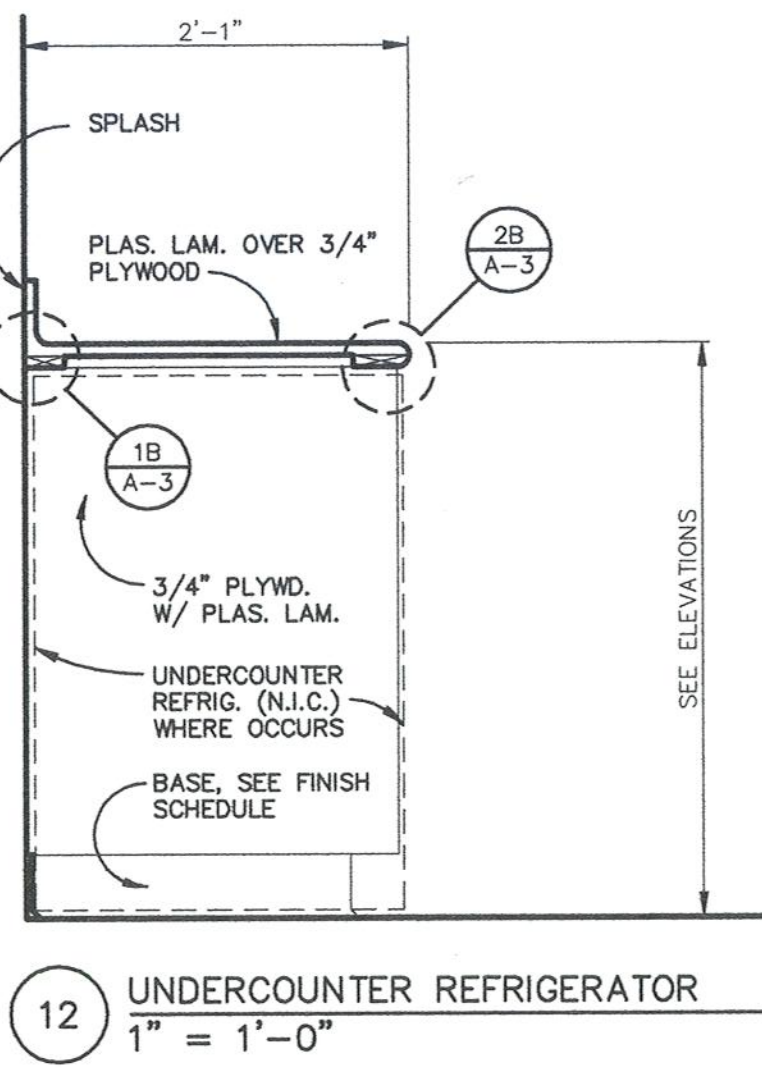
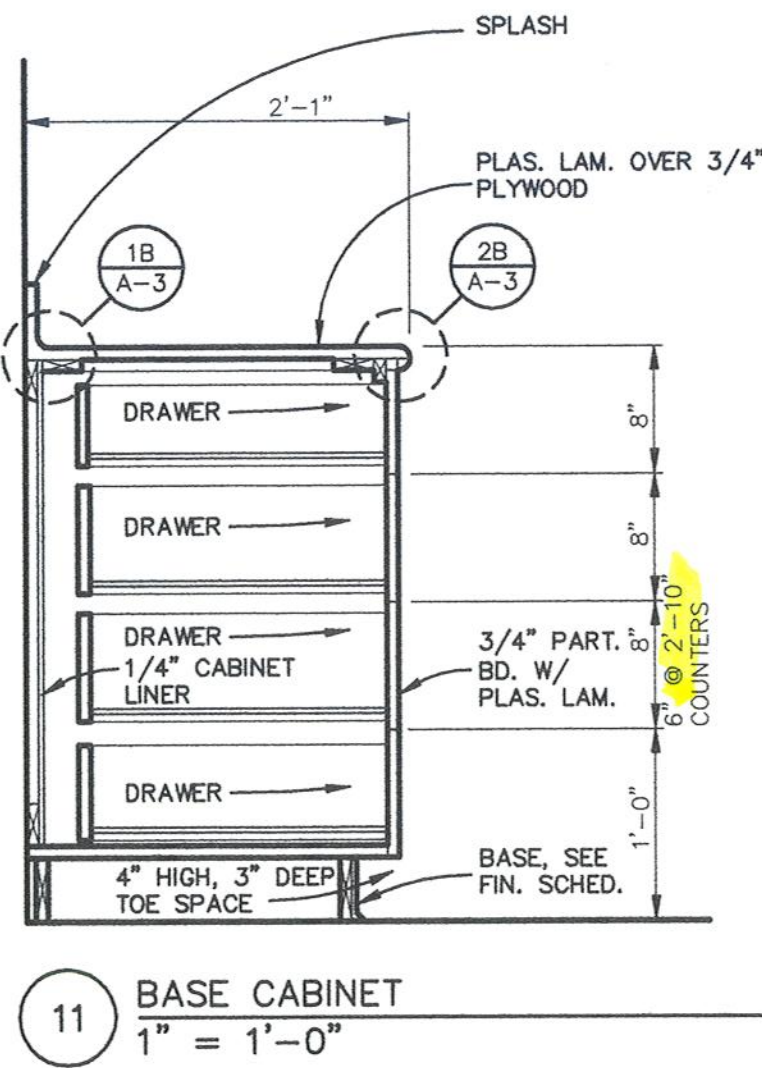
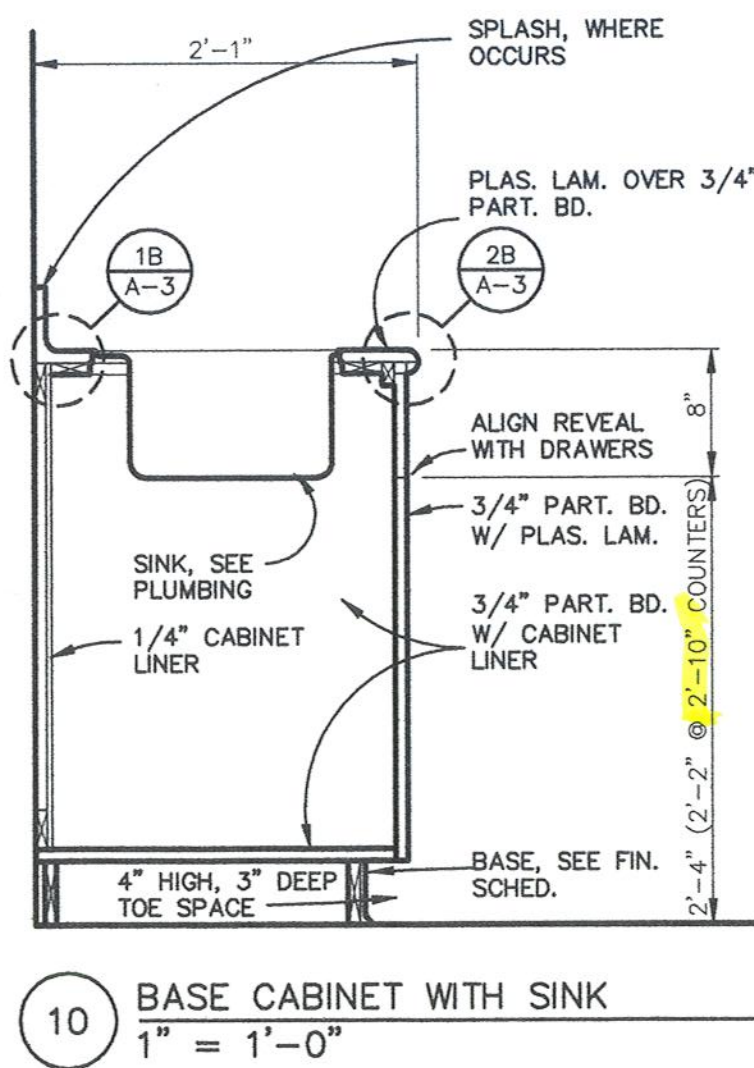
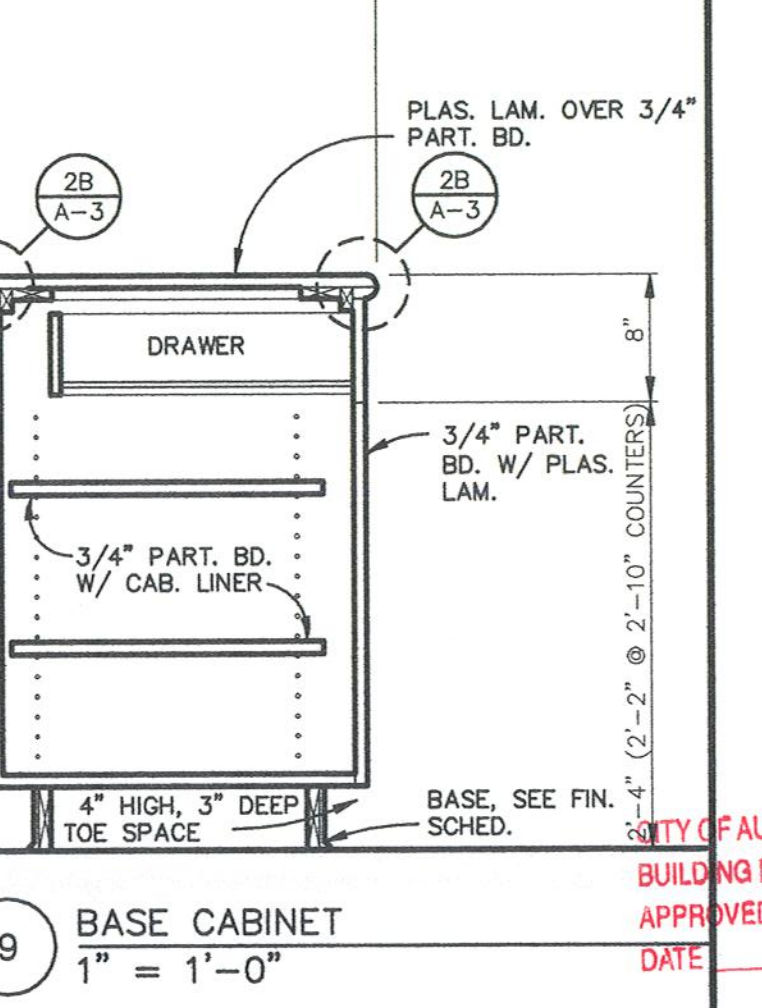
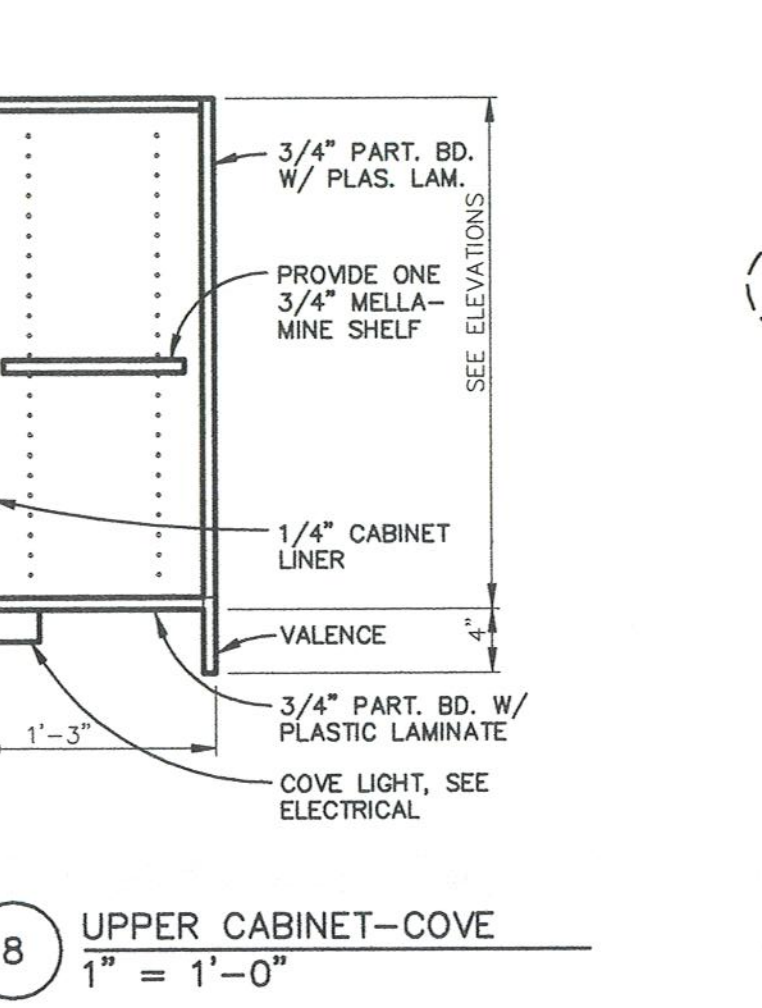
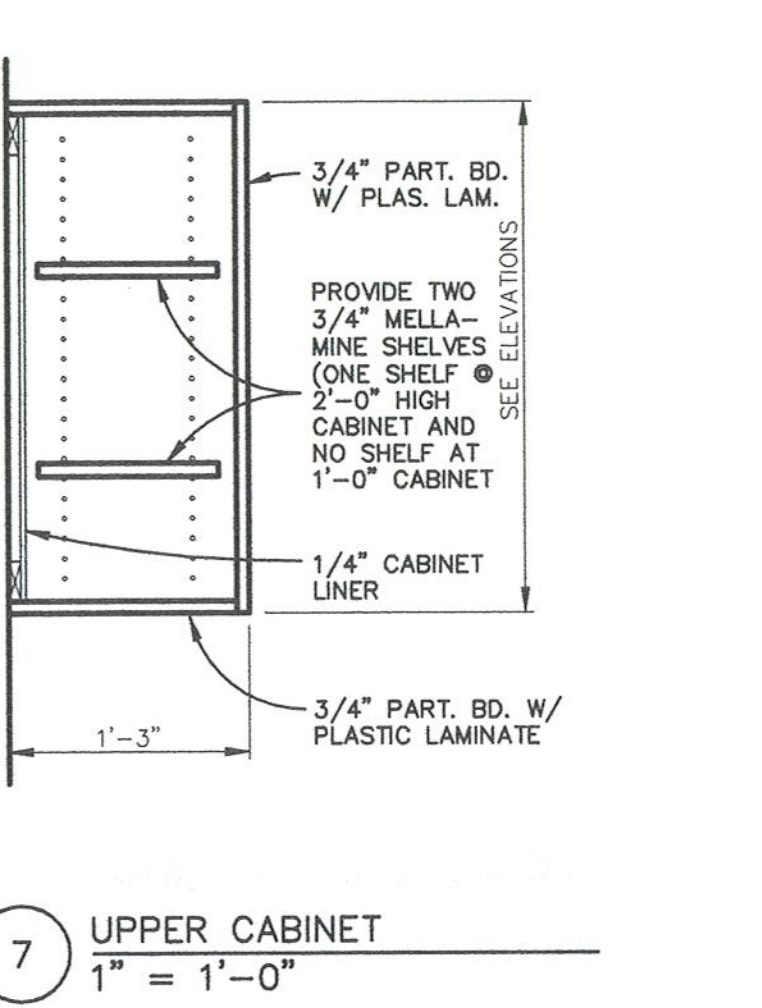
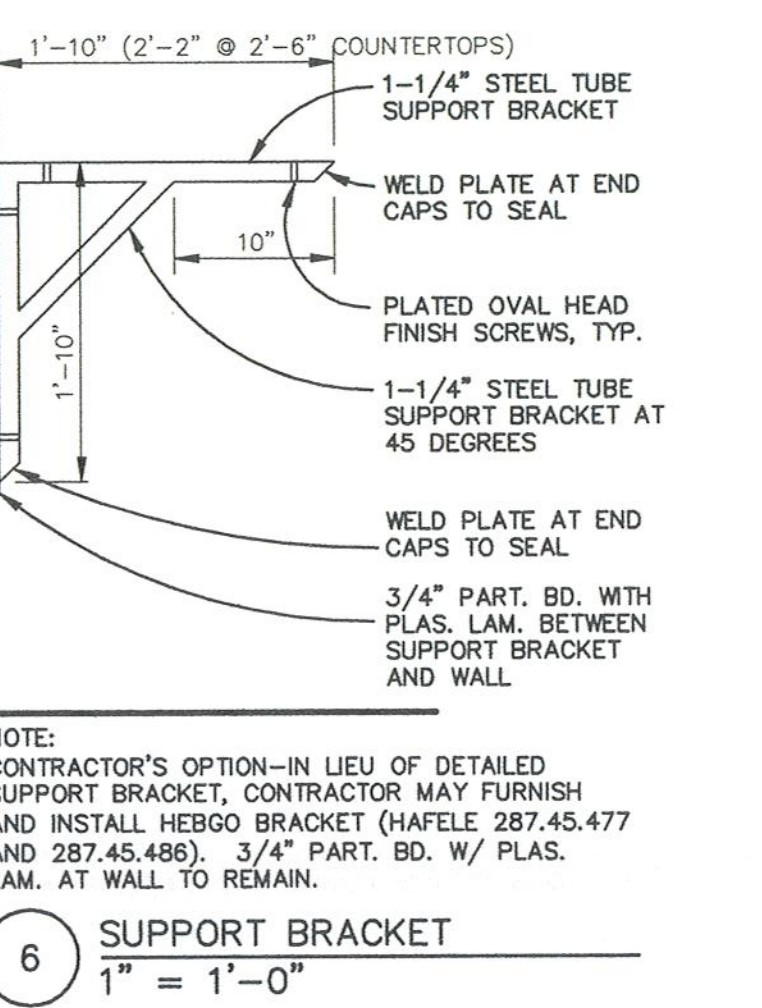
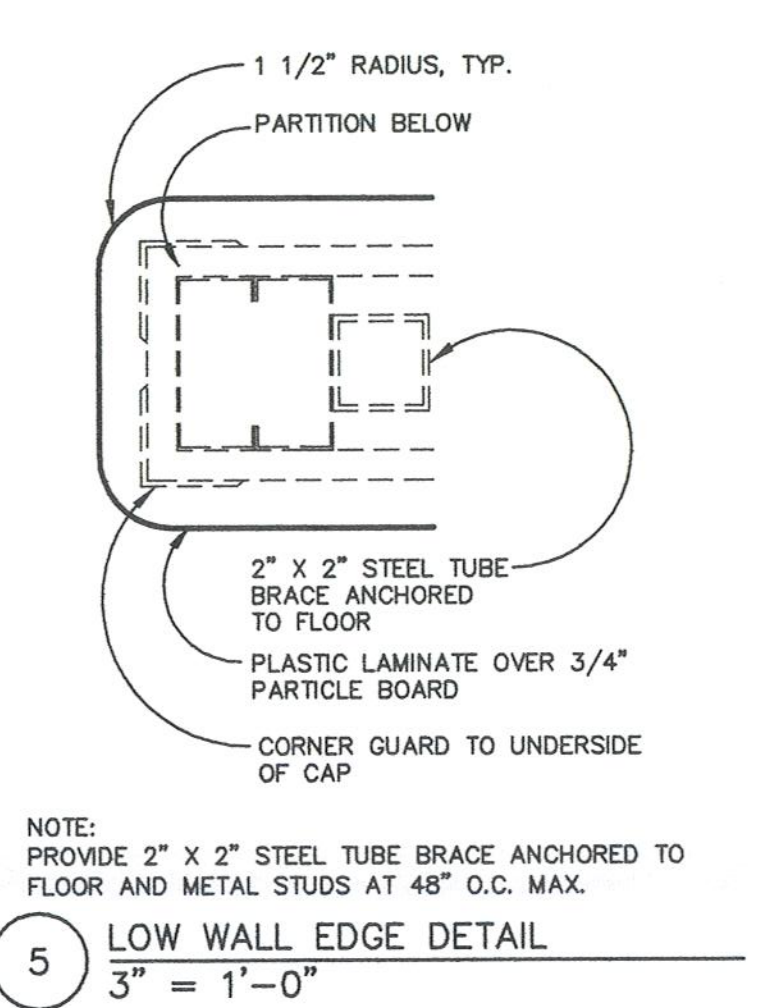
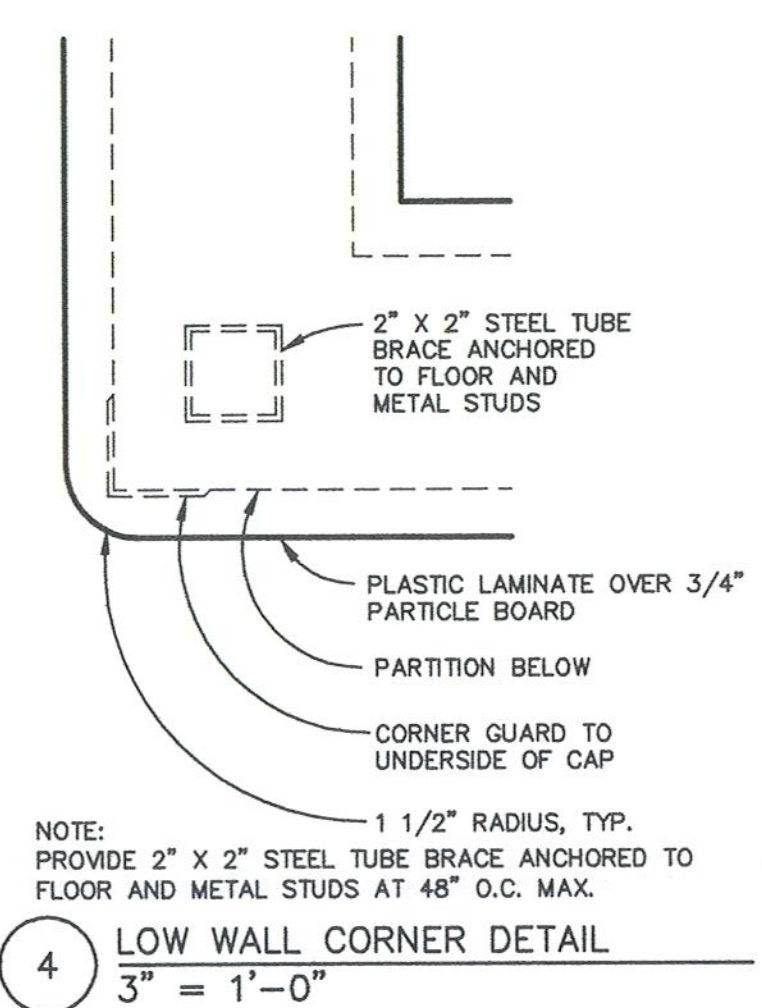
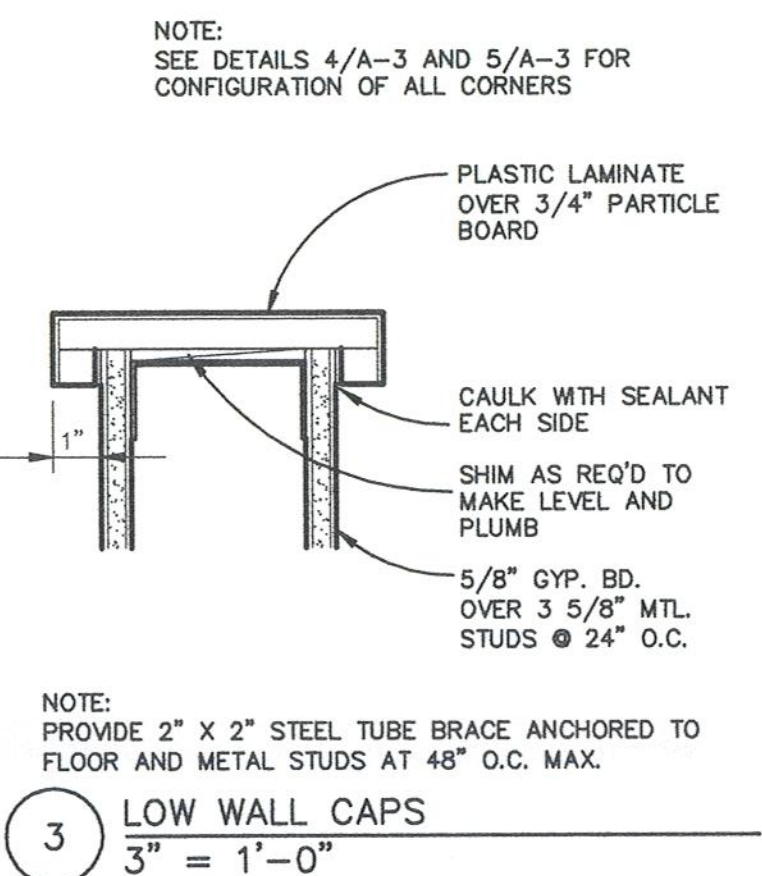
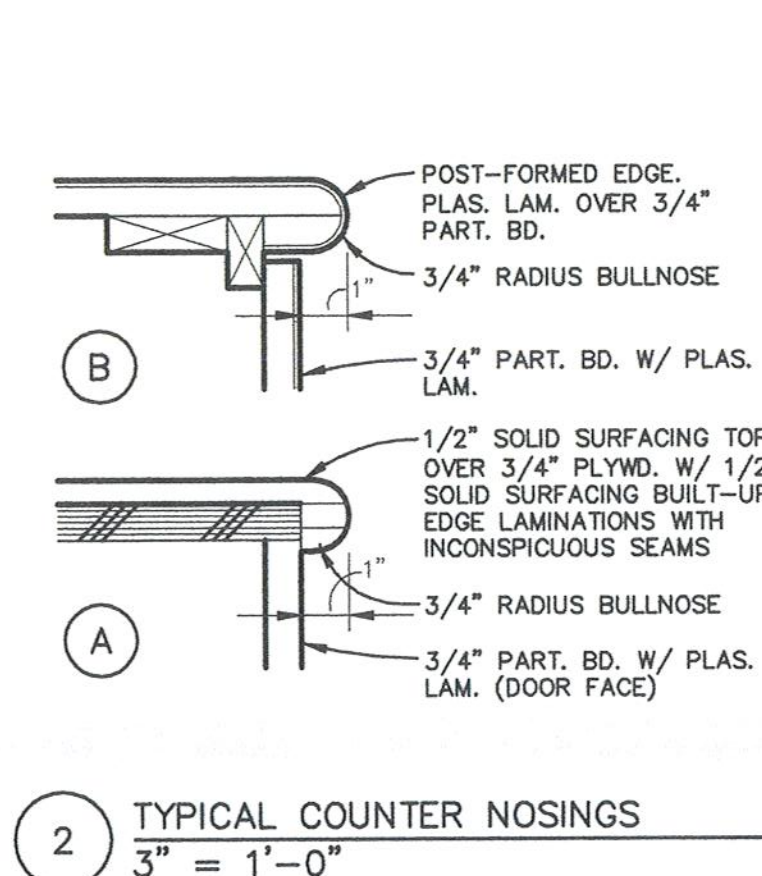
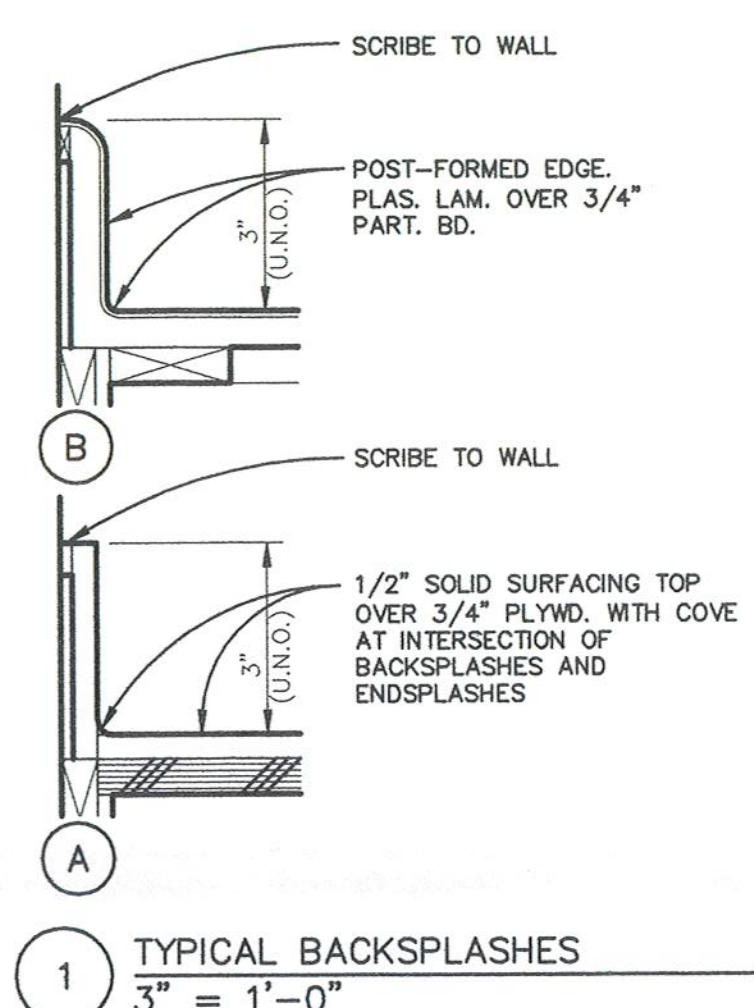
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3. FINAL LOCATION OF ALL SURFACE FEATURES ARE TO BE VERIFIED WITH ARCHITECTURAL DRAWINGS AND/OR ARCHITECT PRIOR TO INSTALLATION.

NOTE: CONTRACTOR TO PROVIDE AND INSTALL 10 CABINET LOCKS AND 10 GROMMETS PER SPECIFICATIONS AT LOCATIONS TO BE DETERMINED IN FIELD BY OWNER. TREATMENT CABINET CONSTRUCTION TO BE 3/4\"/>



NOTE: HEAT VCT PRIOR TO CUTTING TO ENSURE CLEAN \"FACTORY LIKE\" EDGE.

1 VCT ACCENT  
1/2\"/>

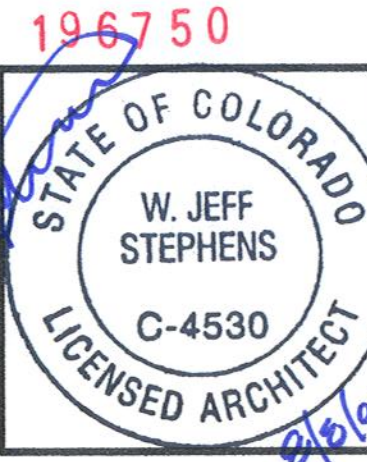


**SEARER, ROBBINS & STEPHENS, INC.**  
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DRAWN DBR  
CHECKED DBR  
JOB NO. 0768  
DATE AUG. 3, 2007

REVISIONS

DATE AUG. 2, 2007



**Davita**  
Aurora Dialysis Center Remodel  
1411 South Polaris Street, Suite 100  
Aurora, Colorado 80012

SHEET NO.  
**A-3**



MECHANICAL SPECIFICATIONS

- I. BASIC REQUIREMENTS
- A. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH 2003 IMC, IPC, IBC AND LOCAL CITY CODE HAVING JURISDICTION. PAY FOR ALL FEES AND PERMITS AS ARE NECESSARY FOR THE COMPLETE INSTALLATION OF MECHANICAL SYSTEMS.
- B. PROJECT SHALL BE COORDINATED WITH THE EXISTING BUILDING SERVICES AND SHALL INCLUDE ALL ITEMS NECESSARY FOR COMPLETE AND FULLY OPERATIONAL TENANT MECHANICAL SYSTEMS. MAKE CONNECTIONS TO AND EXTEND SYSTEMS INSTALLED BY OTHERS AND/OR FURNISHED BY OTHERS.
- PROVIDE ACCESSORIES AND INCIDENTAL ITEMS AS REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM WHETHER OR NOT SPECIFICALLY SPECIFIED AND/OR SHOWN ON THE PLANS.
- C. DO NOT SCALE DRAWINGS. COORDINATE WITH OTHER TRADES FOR A COORDINATED INSTALLATION WITHIN THE AVAILABLE SPACE. WHERE GROUNDED CONDITIONS EXIST, PREPARE COORDINATION DRAWINGS SHOWING ALL TRADE CONFLICTS AND SUBMIT TO THE ARCHITECT FOR APPROVAL AND DIRECTION PRIOR TO ROUGH-IN OR INSTALLATION. RELOCATION OF INLETS, OUTLETS, AND/OR APPARATUS MADE PRIOR TO ROUGH-IN OR REQUIRED BY FIELD CONDITIONS FOR COORDINATION SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER OR HIS AGENTS.
- D. ALL WORK SHALL BE PERFORMED BY PROPERLY LICENSED MECHANICS OR UNDER THEIR DIRECT SUPERVISION. ALL MATERIALS AND EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE APPLICABLE STANDARDS OF UL AND SHALL BEAR THE UL LABEL AS EVIDENCE THAT THE MATERIAL AND/OR EQUIPMENT MEETS THIS REQUIREMENT.
- E. INSTALL ALL EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND DETAILS UNLESS OTHERWISE NOTED IN THESE PLANS.
- F. ALL EQUIPMENT START UP AND TESTING SHALL BE PERFORMED BY THE EQUIPMENT MANUFACTURER TRAINED SERVICE TECHNICIAN.
- G. SUBMIT MANUFACTURER'S LITERATURE (SHOP DRAWINGS) FOR MATERIALS AND EQUIPMENT.
- SUBMITTAL SHALL INCLUDE EQUIPMENT PERFORMANCE DATA AT ELEVATION AND/OR LOCAL CONDITIONS. EQUIPMENT CUTSHEETS OR CATALOG COPIES ARE NOT ACCEPTABLE.
- SUBMITTAL SHALL BEAR THE APPROVAL OF THE GENERAL CONTRACTOR FOR COMPLIANCE WITH COORDINATION AND THESE SPECIFICATIONS PRIOR TO SUBMITTAL TO ARCHITECT AND/OR HIS AGENCIES. ANY EQUIPMENT SUBSTITUTED FOR WHAT IS SCHEDULED SHALL BE EQUAL TO THAT SCHEDULED IN CONTROLS, ACCESSORIES, AND PERFORMANCE REGARDLESS OF MANUFACTURER.
- H. FIELD LABEL ALL MECHANICAL EQUIPMENT AND PIPING AS INDICATED ON THE PLANS PER MECHANICAL AND LOCAL CODE REQUIREMENTS. INDICATE DIRECTION OF FLOW ON PIPING.
- II. BASIC MATERIALS
- A. PROVIDE MECHANICAL SYSTEM CONTROLS, CONTROLLERS, CONTROL TRANSFORMER, DISCONNECTS, STARTERS, CONTROL WIRING ASSOCIATED CONTROL POWER WIRING, AND ALL WORK NECESSARY FOR A COMPLETE AND OPERATIONAL MECHANICAL SYSTEM.
- B. PROVIDE SUPPLEMENTAL STEEL AND SUPPORTS AS REQUIRED FOR INSTALLATION OF MECHANICAL MATERIALS, EQUIPMENT, AND APPARATUS.
- C. PROVIDE VIBRATION ISOLATION ON ALL MECHANICAL EQUIPMENT. INSTALL FLEXIBLE DUCT CONNECTORS ON ALL AIR HANDLING UNIT SUPPLY OUTLET AND RETURN INLET.
- D. ALL WORK IN FINISHED AREAS SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED AS EXPOSED ON THE PLANS. PRIOR TO THE INSTALLATION OF ANY EXPOSED WORK THIS CONTRACTOR SHALL VERIFY AND OBTAIN ARCHITECTURAL APPROVAL OF LOCATION AND EXTENT.
- E. UTILIZE AN BALANCER WITH NEBB AND/OR AABC CERTIFICATION. MECHANICAL SYSTEM SHALL BE BALANCED TO 10% DISCREPANCY OF THE CFM INDICATED ON THE PLANS. IF THERE IS A AIR BALANCE DISCREPANCY GREATER THAN 10%, BALANCE CONTRACTOR SHALL CONTACT ENGINEER.
- F. CONFIRM ACTUAL VOLTAGES, PHASE AND CHARACTERISTICS OF EXISTING EQUIPMENT AND APPARATUS FURNISHED BY TENANT, OTHER TRADES, AND/OR DIVISIONS. CONFIRM PRIOR TO ROUGH-IN. IF DISCREPANCIES ARE NOTED TO THE INSTRUCTIONS OF THESE PLANS AND SPECIFICATIONS, SUBMIT THE NOTED DISCREPANCIES TO THE ARCHITECT FOR DIRECTION PRIOR TO PROCEEDINGS.
- G. PROVIDE SANITARY SEWER SYSTEM CLEANOUTS AS REQUIRED BY LOCAL CODES.
- H. PROVIDE BRANCH SHUT-OFF VALVES ON ALL WATER LINES EXTENDING FROM MAINS.
- I. THE CONTRACTOR SHALL LOCATE AND FURNISH FOR INSTALLATION BY OTHERS, ALL ACCESS PANELS AS REQUIRED FOR ACCESS TO VALVES, DAMPERS, MOTORS, ETC. AND THE PROPER SERVICING OF EQUIPMENT AND LINES INSTALLED UNDER THIS CONTRACT.
- III. PIPING
- A. SANITARY AND STORM PIPING ABOVE GRADE SHALL BE CAST IRON HUBLESS WITH STAINLESS STEEL BANDS.
- B. SANITARY AND STORM PIPING BELOW GRADE SHALL BE SCHEDULE 40 PVC WITH SOLVENT JOINTS.
- C. DOMESTIC WATER PIPING ABOVE GRADE SHALL BE TYPE L COPPER WITH SOLDERED JOINTS.
- D. DOMESTIC WATER PIPING BELOW GRADE SHALL BE TYPE K COPPER WITH SILVER SOLDERED JOINTS.
- IV. DUCTWORK
- A. DUCTWORK SHALL BE GALVANIZED SHEET METAL INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS. INSTALL TURNING VANES IN ALL ELBOWS. ALL SPIN-IN FITTINGS SHALL BE PROVIDED WITH MANUAL VOLUME DAMPERS. ALL EXPOSED ROUND DUCTWORK SHALL BE SPIRAL DUCT.
- B. DUCT SIZES GIVEN ARE NET INSIDE FREE AREA.
- C. EQUIPMENT FLEXIBLE DUCTWORK CONNECTION NOT TO EXCEED 10 INCHES IN LENGTH WITH A MAX. 25 FLAME/50 SMOKE INDEX.
- D. FLEXIBLE DUCTWORK TO AIR DEVICES SHALL HAVE A MAXIMUM STRETCHED LENGTH OF 6 FEET. SUITABLE FOR RETURN AIR PLENUM.
- E. SHEETMETAL DUCTWORK LOCATED RETURN AIR PLENUM SHALL BE SEALED WITH SMACNA SEAL CLASS "A" DUCT SEALANT.
- V. INSULATION
- A. ALL ROUND CONCEALED RIGID SUPPLY DUCTWORK SHALL BE EXTERNALLY WRAPPED WITH 1" THICK GLASS FIBER INSULATION WITH FIRE RETARDANT VAPOR BARRIER.
- B. ALL RECTANGULAR DUCTWORK SHALL BE LINED WITH 1/2" THICK 2 POUND DENSITY (MINIMUM R-5) GLASS FIBER ACOUSTIC DUCT LINER. ALL DUCTWORK EXPOSED TO OUTDOOR AMBIENT TYPE CONDITIONS SHALL BE EXTERNALLY WRAPPED IN 2" INSULATION (MINIMUM R-8). ALL DUCTWORK LOCATED IN RETURN AIR PLENUM OR UNCONDITIONED SPACE SHALL BE WRAPPED IN 3/4" THICK INSULATION (MINIMUM R-5).
- C. COLD WATER PIPING SHALL BE 1/2-INCH THICK FIBER GLASS INSULATION WITH AN ALL-SERVICE JACKET. COLD WATER PIPING EXPOSED TO HEATHER SHALL BE 1 1/2" FIBERGLASS INSULATION. HOT WATER PIPING 2" OR LESS SHALL BE 1-INCH FIBERGLASS INSULATION. HOT WATER PIPING GREATER THAN 2-INCHES SHALL BE 1 1/2" FIBERGLASS INSULATION. RUNOUTS, NOT EXCEEDING 12 FEET, UP TO 2-INCHES SHALL BE 1/2-INCH THICK FIBER GLASS INSULATION WITH AN ALL-SERVICE JACKET.
- VI. PLUMBING FIXTURES
- A. FURNISH AND INSTALL PLUMBING FIXTURES AS SCHEDULED ON THE PLANS.
- B. PROVIDE CHROME PLATED ANGLE STOPS AND ESCUTCHEON PLATES ON ALL EXPOSED FIXTURE RUNOUTS.
- C. PROVIDE INSULATION AND ROUGH IN AS REQUIRED FOR COMPLIANCE WITH ADA REQUIREMENTS.
- D. PROVIDE ALL ACCESSORIES AND SPECIALTY ITEMS AS REQUIRED FOR A COMPLETE FIXTURE INSTALLATION.
- VII. AIR INLETS AND OUTLETS
- A. FURNISH AND INSTALL AIR INLETS AND OUTLETS AS SCHEDULED ON THE PLANS.
- B. OUTLETS SHALL HAVE A WHITE BAKED ENAMEL FINISH TO MATCH CEILING OR WALL.
- VIII. VARIABLE AIR VOLUME TERMINAL DEVICES
- A. FURNISH AND INSTALL PRESSURE INDEPENDENT VARIABLE VOLUME TERMINAL UNITS AS SCHEDULED ON THE PLANS.
- IX. CONTROL SYSTEM
- A. FURNISH AND INSTALL A COMPLETE SYSTEM OF ELECTRIC/ELECTRONIC CONTROL FOR THE SYSTEMS INSTALLED TO PROVIDE THE FOLLOWING SEQUENCES OF OPERATION.
- B. SYSTEMS SHALL BE INDEPENDENT AND STAND ALONE IN OPERATION AND SEQUENCE.
- C. VARIABLE AIR VOLUME TERMINAL BOX
- I. PROVIDE ZONE THERMOSTAT AND INTERFACE WITH CENTRAL CONTROL PANEL.

END

PLUMBING FIXTURE SCHEDULE

SK-1	2	2	1/2	1/2	ADA WALL HUNG LAVATORY. KOHLER CHESAPEAKE K-1728 OR SIMILAR. VITREOUS CHINA, 14X17 WALL HUNG LAVATORY, FRONT OVERFLOW, FITTING LEDGE, SEALANT, 4"CENTERS FAUCET: ZURN Z6920-ACA-C-CP4-GG-MV OR SIMILAR. LAMINAR FLOW GOOSENECK SENSOR FAUCET, 4" TRIM PLATE WITH MIXING VALVE OFFSET OPEN GRID STRAINER,PVC P-TRAP AND TAILPIECE, ANGLE STOPS AND WALL ESCUTCHEON. PROVIDE TRUEBRO TRAP WRAP INSULATION KIT OR SIMILAR. CARRIER: ZURN Z-1231 OR SIMILAR. CONCEALED ARM CARRIER.
SK-5	2	2	1/2	1/2	SURGICAL SINK: ZURN Z-5468. NO ALTERNATES. VITREOUS CHINA SURGICAL SINK WITH PVC P-TRAP, TAIL PIECE AND OPEN GRID STRAINER. FAUCET: DELTA #2T12435 OR SIMILAR. GOOSENECK FAUCET WITH DECK PLATE, 6" WRIST BLADE HANDLES. 2.2 GPM AERATOR, 8" COVER PLATE, PVC P-TRAP AND TAIL PIECE, CHROME FINISH WALL ESCUTCHEON PLATE, BASKET STRAINER, ANGLE STOPS AND FLEXIBLE TUBE SUPPLY LINES. PROVIDE TRUEBRO TRAP WRAP OR SIMILAR AND CONCEALED CARRIER ZURN Z-1224-2.
SK-9	2	2	2-Jan	2-Jan	1-COMPARTMENT SINK: ELKAY LR17161 OR SIMILAR. 17X16X 1 1/2 ONE COMPARTMENT SINK, 18 6 #304 STAINLESS STEEL, SELF RIMMING LEDGE, THOROUGHLY SOUND DEADENED, 2-HOLE PUNCH 4" ON CENTER. FAUCET: ZURN Z6920-ACA-C-CP4-MV OR SIMILAR. LAMINAR FLOW GOOSENECK SENSOR FAUCET, 4" TRIM PLATE WITH MIXING VALVE PLATE, PVC P-TRAP AND TAIL PIECE, CHROME FINISH WALL ESCUTCHEON PLATE,STAINLESS STEEL STRAINER, ANGLE STOPS AND FLEXIBLE TUBE SUPPLY LINES.
FD	NOTED	2	1/2	-	FLOOR DRAIN: ZURN Z-419-P OR SIMILAR. ROUND CAST IRON BODY WITH FLASHING COLLAR, 6" ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD WITH SECURED SQUARE HOLE GRATE, BOTTOM WASTE OULET AND TRAP PRIMER CONNECTION. AUTOMATIC TRAP PRIMER MANUFACTURED BY P.P.P. OR PROSET TRAP GARD IF ALLOWED BY CODE.
EW	-	-	1/2	-	EMERGENCY EYE WASH: BRADLEY MODEL 519-465EPW OR SIMILAR. HAND HELD HOSE SPRAY EYE WASH, COUNTER TOP MOUNTED, UNDER COUNTER HOSE GUIDE, 8 FOOT YELLOW REINFORCED THERMOPLASTIC HOSE WITH TWO ANGLED SPRAY HEAD.

- NOTE:
1. CONTRACTOR TO COORDINATE FINAL SELECTIONS OF ALL PLUMBING FIXTURES WITH OWNER PRIOR TO ORDERING.
2. TOILET ROOM FLOOR DRAINS SHALL BE PROVIDED WITH TRAP PRIMER.

AIR DEVICE SCHEDULE

PLAN MARK	STYLE (1)	MATERIAL	FIN	FACE PATT.	DAMPER	NC (MAX)	SIZE	INLET DIA.	SLOT INCHES	REMARKS
CD-C	TMS	STL	NHT	LF	NONE	35	24X24	10	-	(1)
CD-D	TMS	STL	NHT	LF	NONE	35	24X24	12	-	
ER-A	50F	STL	NHT	EC	NONE	35	NOTED	SAME	-	

(1) REFERS TO TITUS.

VAV BOX SCHEDULE

PLAN MARK	MODEL NO. (1)	CFM RANGE MAX MIN	DELIVERED OUTSIDE AIR (CFM)	BOX CFM	BOX APD IN W.C.	NC	INLET	OUTLET	REMARKS
(E)AV-1	VCGF-10	400 300	45	1100					
(E)AV-2	VFFE-12	1700 870	130	1700					
(E)AV-3	VFFE-12	1700 870	130	1700					
(E)AV-4	VFFE-8	400 300	45	700					
VAV-5	VCGF-12	1900 870	130	1990	0.02	32	12" RD	17X14	(1)(2)(3)
VAV-6	VCGF-12	1900 870	130	1990	0.02	32	12" RD	17X14	(1)(2)(3)

- (1) REFERS TO TRANS.
- (2) NC DATA AT 1.0" INLET S.P. FOR MAX DISCHARGE OR RADIATED.
- (3) PROVIDE BOX WITH 120 V 50 VA TRANSFORMER.

VENTILATION SCHEDULE

	AREA DESIGNATION	CODE REQUIRED VENTILATION	OCCUPANCY (PEOPLE)	AREA SQFT	OUTSIDE AIR REQUIRED CFM	EQUIPMENT SERVING	OUTSIDE AIR PROVIDED
1	TREATMENT FLOOR	15 CFM/PERSON	34	3300	510	VAV-5+6 (E)AV-2+3	520
2	RECEPTION	15 CFM/PERSON	2	480	30	(E)AV-1	45
TOTAL OUTSIDE AIR PROVIDED					TOTAL OUTSIDE AIR PROVIDED=		

ABBREVIATIONS

(E)	EXISTING
(N)	NEW
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
B	BOILER
BB	BASEBOARD
BF	BOOSTER FAN
BFP	BACKFLOW PREVENTER
BT	BATH TUB
CD	CEILING DIFFUSER
CDR	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
DF	DRINKING FOUNTAIN
EC	EVAPORATIVE COOLER
EC	ELECTRICAL CONTRACTOR
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
ERU	ENERGY RECOVERY UNIT
EH	EMERGENCY EYEWASH
ENC	ELECTRIC WATER COOLER
ENH	ELECTRIC WATER HEATER
F	FURNACE
FCU	FAN COIL UNIT
FD	FLOOR DRAIN
FS	FLOOR SINK
G	GAS
GC	GENERAL CONTRACTOR
GUH	GAS UNIT HEATER
GNH	GAS WATER HEATER
HB	HOSE BIBB
HP	HEAT PUMP
HX	HEAT EXCHANGER
LAV	LAVATORY
LS	LIFT STATION
MAU	MAKE-UP AIR UNIT
MC	MECHANICAL CONTRACTOR
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OA	OUTSIDE AIR
P	PUMP
PC	PLUMBING CONTRACTOR
PFT	PARALLEL FAN TERMINAL
PRV	PRESSURE REDUCING VALVE
RA	RETURN AIR
RAR	RETURN AIR REGISTER
RD	ROOF DRAIN
RH	RADIANT HEATER
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SAR	SUPPLY AIR REGISTER
SF	SUPPLY FAN
SFT	SERIES FAN TERMINAL
SHR	SHOWER
SI	SAND/OIL INTERCEPTOR
SK	SINK
SS	SERVICE SINK
TD	TRENCH DRAIN
TYP	TYPICAL
UR	URINAL
VAV	VARIABLE AIR VOLUME
VVT	VARI TRAC
WB	WASHER BOX
WC	WATER CLOSET
WH	WALL HYDRANT

MECHANICAL LEGEND

	EXISTING MECHANICAL
	SUPPLY AIR DUCT UP & DOWN
	RETURN AIR DUCT UP & DOWN
	CEILING SUPPLY DIFFUSER
	CEILING RETURN AIR REGISTER
	ROUND CEILING DIFFUSER
	CEILING LINEAR SUPPLY/RETURN
	SIDEWALL LINEAR SUPPLY/RETURN
	SLOT SUPPLY/RETURN
	DOOR GRILLE
	SLIGHT-TIGHT DOOR GRILLE
	FLOW DIRECTION
	RETURN OR EXHAUST AIR FLOW
	SUPPLY AIR FLOW
	MANUAL VOLUME DAMPER
	SMOKE DAMPER
	FIRE DAMPER
	COMBINATION FIRE/SMOKE DAMPER
	SMOKE DETECTOR FOR EGYPT SHUT-DOWN
	FLEXIBLE DUCT WORK
	PIPE DOWN
	PIPE UP
	CHILLED WATER SUPPLY LINE
	CHILLED WATER RETURN LINE
	HOT WATER SUPPLY LINE
	HOT WATER RETURN LINE

PLUMBING LEGEND

	SANITARY SEWER PIPING
	BUILDING SEWER
	GREASE WASTE
	SAND/OIL WASTE
	VENT PIPING
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	VACUUM PIPING
	TYPICAL
	NATURAL GAS
	ROOF DRAIN
	OVERFLOW DRAIN
	BALL VALVE
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	PRESSURE REDUCING VALVE
	SAFETY OR RELIEF VALVE
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	STRAINER
	FLEXIBLE CONNECTION
	UNION
	BALANCING VALVE OR GAS COCK
	FLOOR DRAIN
	FLOOR SINK
	WALL HYDRANT (HOSE BIBB)

CITY OF AURORA  
BUILDING DIVISION  
APPROVED AS NOTED  
DATE AUG 2 4 2007

07 196750

COORDINATION NOTES

1. REFER TO JOB SPECIFIC GENERAL NOTES ON SHEET T-1.
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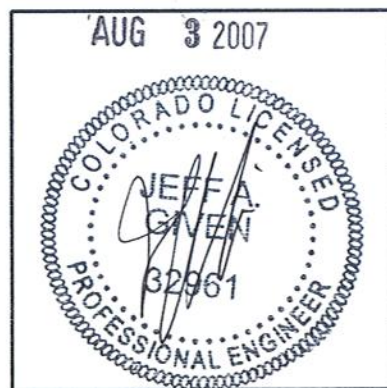


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DATE AUG. 3, 2007

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Project # 07108



at  
Cabinet Replacement at Aurora Dialysis  
1411 South Polomac Street, Suite 100  
Aurora, Colorado 80012

SHEET NO.

M1

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**GENERAL NOTES:**  
ALL HATCHED AREA TO BE DEMO

CITY OF AURORA  
BUILDING DIVISION  
APPROVED AS NOTED  
DATE AUG 2 4 2007  
07 196750

1  
M2  
MECHANICAL DEMO  
1/4" = 1'-0"

- COORDINATION NOTES**
1. REFER TO JOB SPECIFIC GENERAL NOTES ON SHEET T-1.
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MECHANICAL DEMO

DRAWN \_\_\_\_\_  
CHECKED JAG  
JOB NO. 0769  
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AUG 3 2007

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1411 South Potomac Street, Suite 100  
Aurora, Colorado 80012

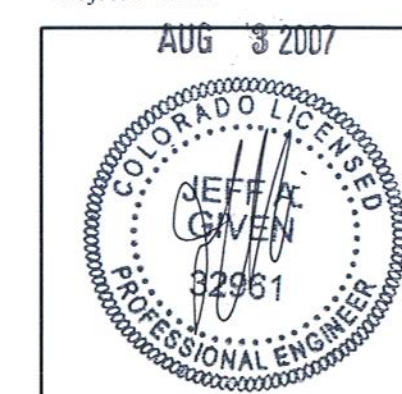
SHEET NO.  
**M2**

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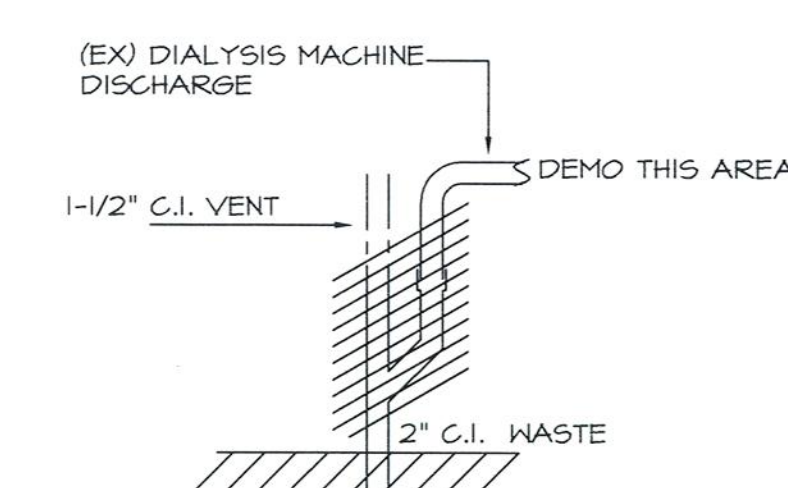
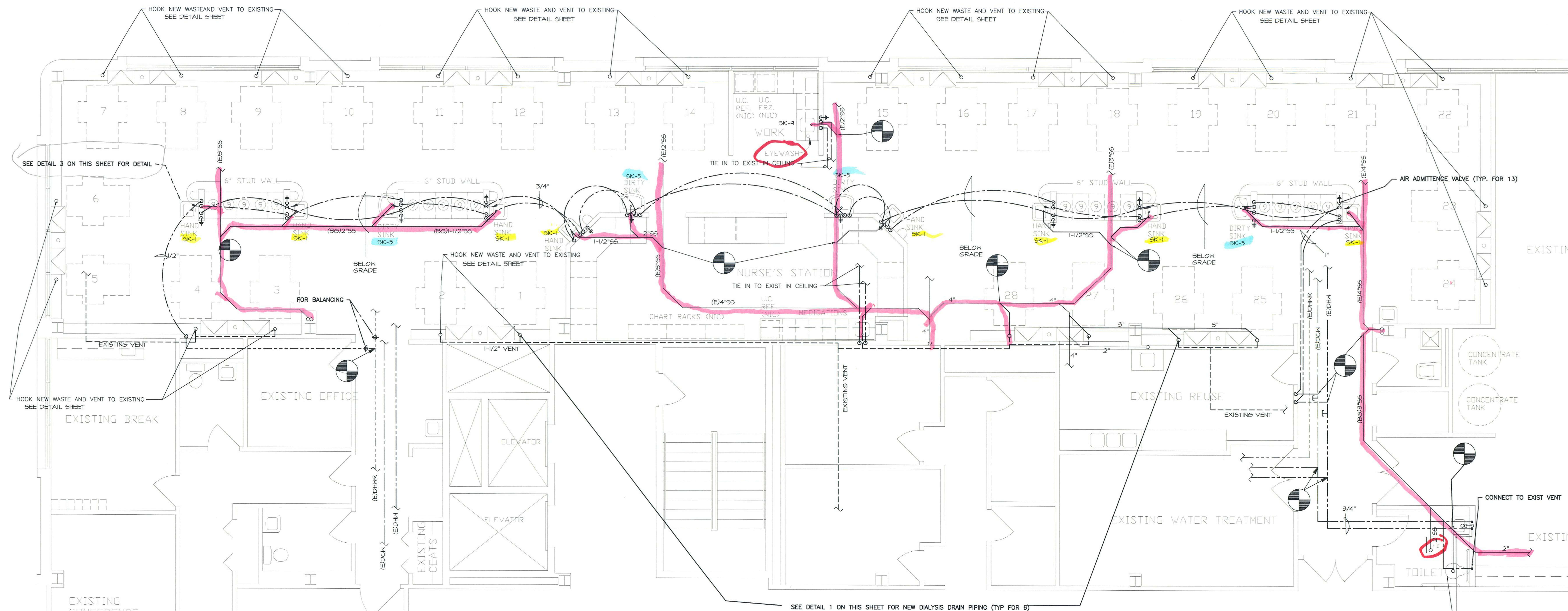


REVISIONS



*DaVita*  
at  
**Cabinet Replacement at Aurora Dialysis**  
1411 South Potomac Street, Suite 100  
Aurora, Colorado 80012

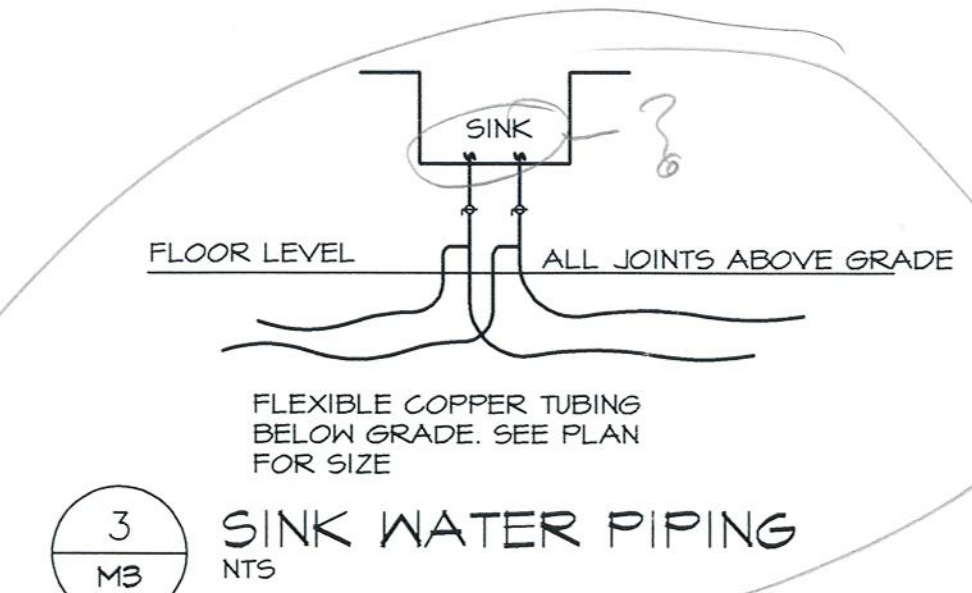
### M3



Dirty sink drains direct connection to SS

CITY OF AURORA  
BUILDING DIVISION  
APPROVED AS NOTED \_\_\_\_\_  
DATE AUG 24 2007

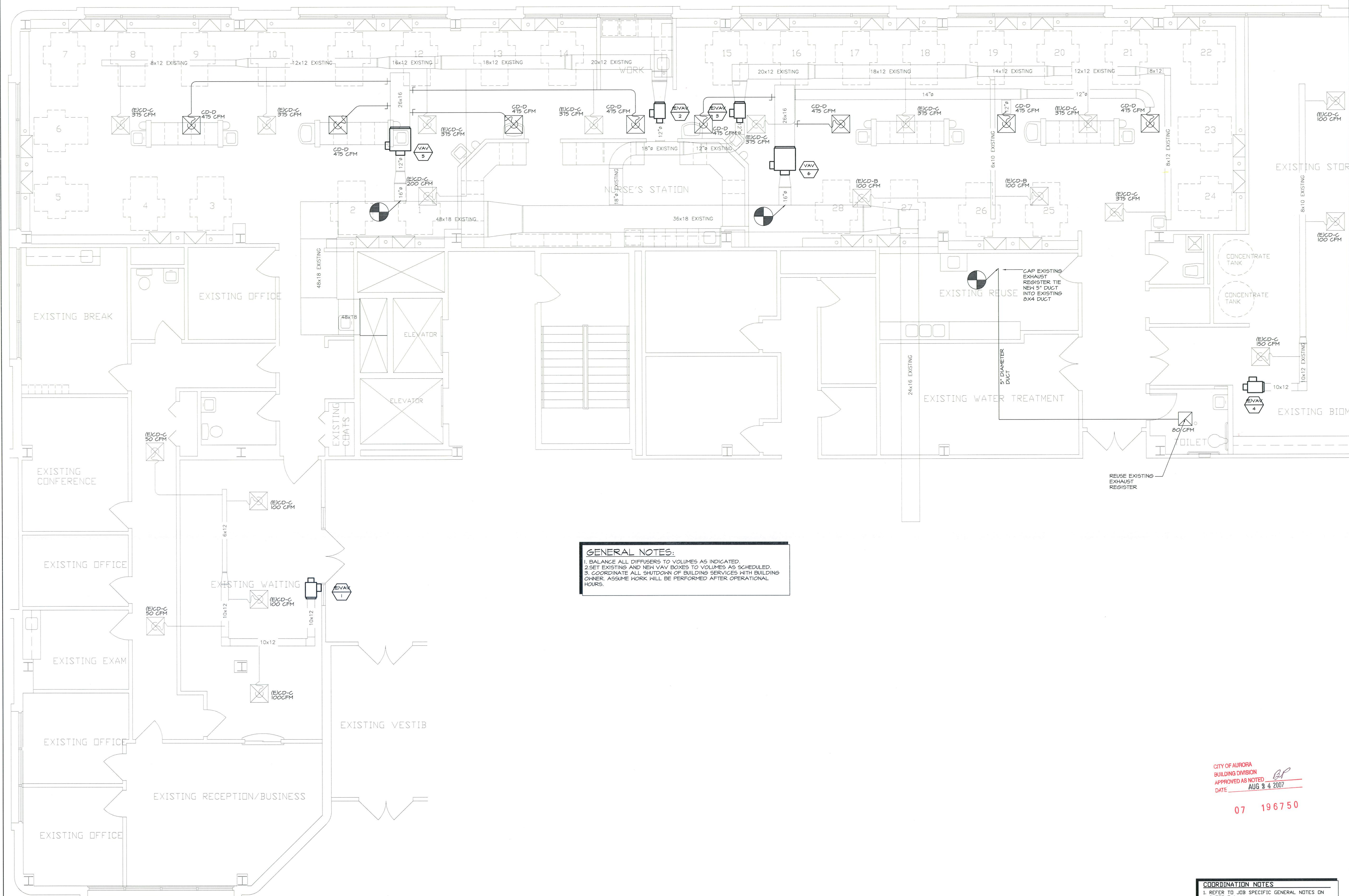
07 196750



### COORDINATION NOTES

1. REFER TO JOB SPECIFIC GENERAL NOTES ON SHEET T-1.
2. MECHANICAL, PLUMBING AND ELECTRICAL SUBCONTRACTORS ARE REQUIRED TO COORDINATE WITH EACH OTHER AND TO REFER TO ALL SHEETS IN THE SET FOR CONSTRUCTION CONDITIONS, NOT JUST THE DRAWINGS PERTAINING TO THEIR DISCIPLINE.
3. FINAL LOCATION OF ALL SURFACE FEATURES ARE TO BE VERIFIED WITH ARCHITECTURAL DRAWINGS AND/OR ARCHITECT PRIOR TO INSTALLATION.
4. ALL EXPOSED PIPE, CONDUIT, DUCTWORK TO BE PROTECTED BY TRADE FOR PRIME AND FINAL PAINT BY GC. SEE ARCH. SPECIFICATIONS.





GENERAL NOTES:

1. BALANCE ALL DIFFUSERS TO VOLUMES AS INDICATED.
2. SET EXISTING AND NEW VAV BOXES TO VOLUMES AS SCHEDULED.
3. COORDINATE ALL SHUTDOWN OF BUILDING SERVICES WITH BUILDING OWNER. ASSUME WORK WILL BE PERFORMED AFTER OPERATIONAL HOURS.

CITY OF AURORA  
BUILDING DIVISION  
APPROVED AS NOTED *BP*  
DATE AUG 24 2007

07 19675

### COORDINATION NOTES

1. REFER TO JOB SPECIFIC GENERAL NOTES ON SHEET T-1.
2. MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTORS ARE REQUIRED TO COORDINATE WITH EACH OTHER AND TO REFER TO ALL SHEETS IN THE SET FOR CONSTRUCTION CONDITIONS, NOT JUST THE DRAWINGS PERTAINING TO THEIR DISCIPLINE.
3. FINAL LOCATION OF ALL SURFACE FEATURES ARE TO BE VERIFIED WITH ARCHITECTURAL DRAWINGS AND/OR ARCHITECT PRIOR TO INSTALLATION.
4. ALL EXPOSED PIPE, CONDUIT, DUCTWORK TO BE PREPARED BY TRADE FOR PRIME AND FINAL FINISHES.

1 HVAC FLOOR PLAN  
MB 1/4" = 1'-0"



ELECTRICAL SPECIFICATION

1. BASIC REQUIREMENTS

- A. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CURRENT LOCAL CODES, ORDINANCES, AND REGULATIONS, NATIONAL ELECTRICAL CODE, LOCAL HEALTH DEPARTMENT REGULATIONS, LOCAL UTILITY REGULATIONS, AND APPLICABLE NFPA CODES. PAY FOR ALL FEES AND PERMITS AS ARE NECESSARY FOR THE COMPLETE INSTALLATION OF THE ELECTRICAL SYSTEMS INCLUDING UTILITY CHARGES. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LOCAL UTILITY REQUIREMENTS.
- B. PROJECT SHALL, ALL ITEMS NECESSARY FOR A COMPLETE AND FULLY OPERATIONAL, INDEPENDENT TENANT ELECTRICAL SYSTEM. MAKE CONNECTIONS TO AND EXTEND SYSTEMS INSTALLED BY OTHERS AND/OR FURNISHED BY OTHERS. PROVIDE ACCESSORIES AND INCIDENTAL ITEMS AS REQUIRED FOR COMPLETE AND FULLY OPERATIONAL SYSTEMS WHETHER OR NOT SPECIFICALLY SPECIFIED AND/OR SHOWN ON THE PLANS.
- C. DO NOT SCALE DRAWINGS. COORDINATE WITH OTHER TRADES FOR A COORDINATED INSTALLATION WITHIN THE AVAILABLE SPACE. WHERE CROWDED CONDITIONS EXIST, PREPARE COORDINATION DRAWINGS SHOWING ALL TRADE CONFLICTS AND SUBMIT TO THE ARCHITECT FOR APPROVAL AND DIRECTION PRIOR TO ROUGH-IN AND/OR INSTALLATION. RELOCATION OF OUTLETS AND/OR DEVICES MADE PRIOR TO ROUGH-IN SHALL BE DONE AT NO ADDITIONAL COST TO THE OWNER OR HIS AGENTS.
- D. ALL WORK SHALL BE PERFORMED BY PROPERLY LICENSED ELECTRICIANS OR UNDER THEIR DIRECT SUPERVISION. ALL MATERIALS AND EQUIPMENT SHALL MEET THE REQUIREMENTS OF THE APPLICABLE STANDARDS OF UL AND SHALL BEAR THE UL LABEL AS EVIDENCE THAT THE MATERIAL AND/OR EQUIPMENT MEETS THIS REQUIREMENT.
- E. CONTRACTOR SHALL THOROUGHLY REVIEW THE PLANS OF ALL DIVISIONS AND TRADES, ESPECIALLY THE ARCHITECTURAL DRAWINGS. ELECTRICAL REQUIREMENTS OF OTHER TRADES AND DIVISIONS INCLUDING THE ARCHITECTURAL DRAWINGS INCLUDING BUT NOT NECESSARILY LIMITED TO PRODUCTS SPECIFIED, MOUNTING INSTRUCTIONS, AND MATERIAL SELECTIONS SHALL BE DONE BY THIS CONTRACTOR. SHOULD A CONFLICT EXIST, CONTRACTOR SHALL OBTAIN A CLARIFICATION AND DIRECTIONS FROM THE ARCHITECT PRIOR TO ROUGH IN OR PROCEEDING WITH THE WORK.
- F. SUBMIT MANUFACTURERS LITERATURE (SHOP DRAWINGS) FOR RACEWAYS, BOXES, WIRE, CABLES, WIRING DEVICES, NAME PLATES, LEGEND PLATES, LABELS, PANELBOARDS, FUSES, CIRCUIT BREAKERS, SAFETY SWITCHES, AND LIGHT FIXTURES. SUBMITTAL SHALL BEAR THE APPROVAL OF THE GENERAL CONTRACTOR FOR COMPLIANCE WITH COORDINATION AND THESE SPECIFICATIONS PRIOR TO SUBMITTAL TO ARCHITECT AND/OR HIS AGENCIES.
- G. FURNISHED EQUIPMENT.
1. MAKE FINAL CONNECTIONS TO FURNISHED EQUIPMENT AS REQUIRED.
2. RECEIVE AND COMPLETELY INSTALL FURNISHED EQUIPMENT, MATERIALS, AND APPARATUS FURNISHED BY OTHERS FOR INSTALLATION OF A COMPLETE ELECTRICAL SYSTEM.
3. REVIEW CONSTRUCTION DOCUMENTS AND INSTALLATION INSTRUCTIONS FOR MATERIALS AND EQUIPMENT FURNISHED FOR INSTALLATION BY THIS CONTRACTOR. INSTALL ALL EQUIPMENT AND APPARATUS IN ACCORDANCE WITH MANUFACTURER REQUIREMENTS AND SUGGESTED PRACTICES. PROVIDE SUPPLEMENTAL AND INCIDENTAL MATERIALS INCLUDING CORDS, PLUGS AND RECEPTACLES AS MAY BE REQUIRED FOR A COMPLETE AND FULLY OPERATIONAL SYSTEM.
4. CONFIRM ALL CONNECTION REQUIREMENTS AND ROUGH-IN CONDITIONS PRIOR TO INSTALLATION. CERTAIN DATA IS GIVEN BUT NOT GUARANTEED. PROVIDE ROUGH-IN AND FINAL TERMINATION INCLUDING APPROPRIATE PLUGS AND DISCONNECTS AS MAY BE REQUIRED. PREPARE A DETAILED ROUGH-IN DRAWING FOR APPROVAL PRIOR TO ROUGH-IN.
- H. CONFIRM ACTUAL VOLTAGES, PHASE AND CHARACTERISTICS OF EXISTING EQUIPMENT AND APPARATUS AND EQUIPMENT AND APPARATUS FURNISHED BY TENANT, OTHER TRADES, AND/OR DIVISIONS. CONFIRM PRIOR TO ROUGH IN. IF DISCREPANCIES ARE NOTED TO THE INSTRUCTIONS OF THESE PLANS AND SPECIFICATIONS SUBMIT THE NOTED DISCREPANCIES TO THE ARCHITECT FOR DIRECTION PRIOR TO ROUGH IN OR PROCEEDING WITH THE WORK.
- I. ALL WORK IN FINISHED AREAS SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED AS EXPOSED ON THE PLANS. PRIOR TO THE INSTALLATION OF ANY EXPOSED WORK THIS CONTRACTOR SHALL VERIFY AND OBTAIN ARCHITECTURAL APPROVAL OF LOCATION AND EXTENT.
- J. UNLESS OTHERWISE SPECIFIED ALL OUTLETS ARE 18" AFF MOUNTED IN A VERTICAL POSITION. IF OUTLET IS SPECIFIED UNDER OR ABOVE COUNTER, CONFIRM HEIGHT WITH ARCHITECT.

2. ELECTRICAL SERVICE

- A. NO CHANGES TO THE EXISTING ELECTRICAL SERVICE IS ANTICIPATED.

3. DEMOLITION AND CONTINUITY OF SERVICE

- A. ALL UNUSED ELECTRICAL RACEWAYS, DEVICES, APPLICATIONS, WIRE AND CABLE LOCATED IN THE AREA TO BE RENOVATED SHALL BE REMOVED TO THEIR EXISTING DISTRIBUTION PANELS OR SWITCHES. CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF ALL EXISTING BUILDING SYSTEMS IN THE REMAINING TENANT SPACE INCLUDING PANEL DISTRIBUTION AND LIGHTING SYSTEMS LOCATED IN THE TENANT SPACE OR RUNNING THROUGH THE TENANT SPACE. RELOCATE CONDUITS, WIRING, BOXES, ETC. AS MAY BE NECESSARY TO ENSURE NO SERVICES ARE OVER LAPPED BETWEEN THE TENANT SPACES EXCEPT THOSE NECESSARY FOR CONTINUITY OF SERVICE TO THE SPACE OR SPACES IN THE COMPLEX.
- B. INFORMATION ON EXISTING ELECTRICAL EQUIPMENT, PANELS, WIRING, AND DEVICES INDICATED AS BEING REUSED IN THIS PROJECT IS AS ACCURATE AS COULD BE OBTAINED FROM A CURSORY SURVEY. THE ACCURACY OF THIS INFORMATION IS NOT GUARANTEED AND IS FOR THE INFORMATION AND GUIDANCE OF THE CONTRACTOR. THIS CONTRACTOR SHALL THOROUGHLY INVESTIGATE EXISTING EQUIPMENT AND SYSTEMS BEING REUSED FOR COMPLIANCE WITH THESE SPECIFICATIONS AND LOCAL CODES. THIS CONTRACTOR SHALL MAKE NECESSARY CORRECTIONS TO EXISTING SYSTEMS AS ARE REQUIRED FOR A COMPLETE AND OPERATIONAL ELECTRICAL SYSTEM. SHOULD INSUFFICIENT CAPACITY, CAPABILITY, OR INCOMPATIBLE ELECTRICAL TERMINATIONS BE PRESENT THIS CONTRACTOR SHALL SUBMIT THE NOTED DISCREPANCIES TO THE ARCHITECT FOR DIRECTION PRIOR TO ROUGH IN OR PROCEEDING WITH THE WORK.
- C. ELECTRICAL SERVICE TO THE BUILDING MAY BE INTERRUPTED ONLY AT A TIME COORDINATED WITH AND APPROVED BY THE BUILDING MANAGER. IN GENERAL THIS WILL BE ALLOWED DURING OFF HOURS AND ON WEEKENDS FOR LIMITED PERIODS OF TIME.

4. BASIC MATERIALS

- A. RACEWAYS AND FITTINGS. RACEWAYS EMBEDDED IN CONCRETE OR MASONRY WALLS SHALL BE IMC; IN HOLLOW NON MASONRY WALLS AND ABOVE CEILINGS SHALL BE EMT. EXPOSED RACEWAY SHALL BE RIGID GALVANIZED 80 PVC. MC CABLE SHALL BE PERMITTED TO BE USED ABOVE FALSE CEILINGS AND IN HOLLOW NON MASONRY WALLS FOR BRANCH CIRCUITS WHERE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. MC CABLE SHALL BE SUPPORTED AND SECURED AT INTERVALS NOT EXCEEDING SIX FEET AND NOT LIE ON ANY CEILING GRID. CABLES NO LARGER THAN NO. 10 WITH FOUR OR LESS CONDUCTORS SHALL BE SECURED WITHIN 12" OF EVERY BOX, CABINET OR FITTING.
- B. ALL WIRES ON THE SAME LEG OR PHASE SHALL HAVE THE SAME COLOR CODE. ALL CONDUCTORS SHALL BE RATED FOR 600 VOLTS AND SHALL BE COPPER OF NO. 12 AWG MINIMUM. COPPER CLAD OR ALUMINUM CONDUCTORS ARE NOT ACCEPTABLE. WHERE CONNECTIONS ARE MADE TO EXISTING ALUMINUM CONDUCTOR BEING REUSED IN THIS PROJECT, CONNECTIONS SHALL BE MADE WITH LOCALLY APPROVED UL LISTED COPPER TO ALUMINUM CONNECTIONS. STRUCTURE WIRING SHALL BE TYPE THHN. INCREASE SIZE TO MAINTAIN A MAXIMUM 2% VOLTAGE DROP.
- C. PROVIDE METALLIC OUTLET, PULL AND JUNCTION BOXES AS REQUIRED. ALL POWER, CONTROL, OR INSTRUMENTATION, WIRING GREATER THAN 24 VOLTS SHALL BE IN CONDUIT. LOW VOLTAGE WIRING MAY BE PLENUM RATED IN ACCESSIBLE LOCATIONS CONCEALED FROM FINISHED AREAS AS APPROVED BY LOCAL AUTHORITIES.
- D. PROVIDE RECEPTACLES, SPECIAL PURPOSE RECEPTACLES, AND SWITCHES OF ONE MANUFACTURER. PROVIDE COMMERCIAL GRADE DIMMERS FOR CIRCUITS INDICATED. STAB-IN CONNECTIONS WILL NOT BE APPROVED. SEE ARCHITECTURAL DRAWINGS FOR SPECIAL MOUNTING LOCATIONS, ORIENTATION. COLOR TO BE WHITE. CONFIRM RECEPTACLE, SPECIAL PURPOSE RECEPTACLE AND SWITCH MOUNTING HEIGHT AND ORIENTATION WITH ARCHITECT PRIOR TO ROUGH-IN. WHERE NEW OUTLETS AND DEVICES ARE INSTALLED, MAINTAIN ADA MOUNTING HEIGHTS AND REQUIREMENTS UNLESS SPECIFICALLY DIRECTED OTHERWISE. PROVIDE COMMERCIAL GRADE RECEPTACLES IN TREATMENT AREA, NURSE'S STATIONS, PCT, MEDS, BIOMED, WORK, AND PATIENT PREP. USE STAINLESS STEEL COVER PLATES AT TREATMENT AREA, NURSE'S STATION, PCT, MEDS, BIOMED, WORK, AND PATIENT PREP.
- E. PANELBOARDS AND SAFETY SWITCHES SHALL BE OF ONE MANUFACTURER AND SHALL BE COMPLETE WITH PROTECTIVE DEVICES, ENCLOSURES, BUSES, GROUNDS, ISOLATED GROUND BUS, AND NEUTRAL BARS AS REQUIRED.
- F. SWITCHBOARDS ARE TO BE PROVIDED WITH FULLY RATED HORIZONTAL BUS THROUGHOUT ENTIRE LENGTH OF THE GEAR. PROVIDE MEANS FOR INSTALLATION OF FUTURE SECTIONS (FUTURE BUS EXTENSIONS). PROVIDE SPACE FOR INSTALLATION OF FUTURE OVERCURRENT DEVICES, EQUAL TO 20% OF AMPERE RATING OF GEAR.

5. GROUNDING

- A. PROVIDE COPPER GROUNDING CONDUCTORS AND COPPER CLAD STEEL MADE ELECTRODES IN ACCORDANCE WITH THE NEC. BARE COPPER OR GREEN INSULATED WIRE IS ACCEPTABLE.
- B. ALL EQUIPMENT SHALL BE CONTINUOUSLY GROUNDED. AN EQUIPMENT GROUNDING CONDUCTOR IS TO BE INSTALLED IN ALL FEEDER AND BRANCH CIRCUITS.
- C. ALL DRIVEN GROUND RODS OUTSIDE OF BUILDING SHALL BE INSTALLED IN GROUND WELLS, FLUSH WITH FINISHED GRADE.

6. LIGHTING

- A. PROVIDE ALL ACCESSORIES REQUIRED FOR A COMPLETE AND OPERABLE SYSTEM. FOR RECESSED FIXTURES, PROVIDE PLASTER FRAMES AND FLANGES SUITABLE FOR CEILING. CLEAN AND SERVICE FIXTURES. PROVIDE ACCESSORIES AND INCIDENTAL ITEMS AS REQUIRED FOR FIXTURES FURNISHED BY OTHERS FOR INSTALLATION.
- B. BALLAST ELECTRONIC HIGH EFFICIENCY TYPE.
- C. PROVIDE LENSES OF SAME MANUFACTURER.
- D. FINAL LOCATION OF ALL FIXTURES SHALL BE AS INDICATED ON ARCHITECTURAL REFLECTED CEILING PLANS AND/OR ELEVATIONS AND DETAILS.
- E. PROVIDE FOR EACH FIXTURE A LAMP OR LAMPS OF SUITABLE TYPE, SIZE, COLOR, WATTAGE, AND VOLTAGE.
- F. INSTALL ACCESSORIES AND MODIFY FIXTURES AS REQUIRED FOR COMPLIANCE WITH REQUIREMENTS OF LOCAL DEPARTMENT OF HEALTH. OBTAIN ARCHITECTURAL APPROVAL FOR ANY SUBSTITUTION OR MODIFICATION TO FIXTURES GIVEN.
- G. PROVIDE TENTING OR OTHER SUITABLE MEANS TO KEEP NON IC RATED FIXTURES A MINIMUM OF 3" (OR MANUFACTURER REQUIRED DISTANCE) FROM INSULATION.
- H. WHERE LIGHT SWITCHES ARE INSTALLED WITH HANGSCOT, MOUNT SWITCHES 44" AFF MAXIMUM TO TOP HANGSCOT COVER PLATE AFF.
- I. ALL 2'X4' AND 2'X2' LAY IN FIXTURES SHALL BE SECURELY FASTENED TO THE CEILING FRAMING MEMBER (GRID) BY MECHANICAL MEANS SUCH AS BOLTS, SCREWS OR RIVETS. LISTED CLIPS SHALL ALSO BE PERMITTED.

7. TELEPHONE/DATA PROVISIONS

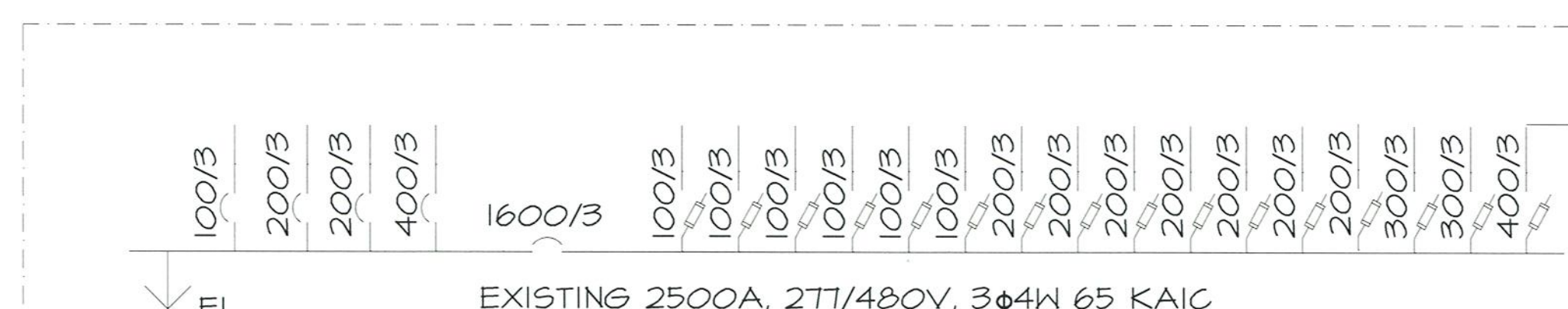
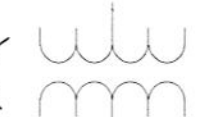
- A. INSTALL OUTLET BOX WITH 3/4" MINIMUM CONDUIT TO ABOVE THE CEILING. INSTALL CABINET AND/OR FIXTURE OUTLETS IN COORDINATION WITH ARCHITECTURAL AND MILLWORK DETAILS WITH CONDUITS OR RACEWAYS TO ABOVE NEW FINISHED CEILING.
- B. PROVIDE PULL BOXES WITH PULL WIRE (ROPE) IN ALL OUTLETS.
- C. PROVIDE COVER PLATES FOR ALL OUTLETS. COLOR TO BE WHITE. CONFIRM ALL MOUNTING HEIGHTS AND ORIENTATIONS WITH ARCHITECT PRIOR TO ROUGH-IN. COVER PLATES TO BE STAINLESS STEEL AT TREATMENT AREA, NURSE'S STATION, MEDS, PCT, BIOMED, WORK, AND PATIENT PREP.

8. FIRE ALARM SYSTEM

- A. FIRE ALARM SYSTEM SHALL BE DESIGNED, SIGNED AND SEALED BY A FIRE ALARM DESIGN PROFESSIONAL AND BE APPROVED BY THE LOCAL FIRE DISTRICT.
- B. FURNISH AND INSTALL ADDITIONAL DUCT SMOKE DETECTORS AS MAY BE REQUIRED.
- C. FURNISH AND INSTALL ADDITIONAL FIRE ALARM HORNS AND LIGHTS AS MAY BE REQUIRED.
- D. EXTEND AND CONNECT THE NEW FIRE ALARM APPARATUS TO THE EXISTING BUILDING FIRE ALARM SYSTEM. INSTALLATION SHALL BE BY A TRAINED AND LICENSED CONTRACTOR OF THE EXISTING EQUIPMENT MANUFACTURER.

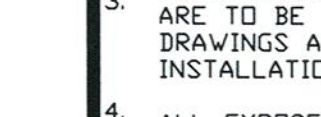
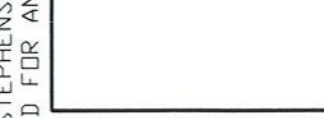
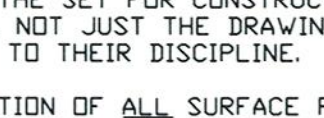
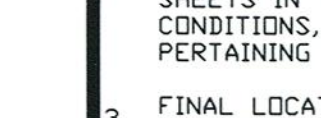
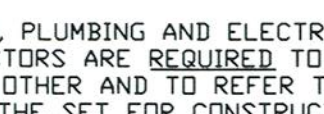
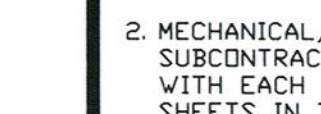
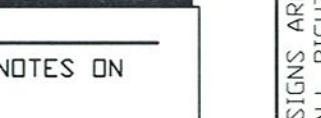
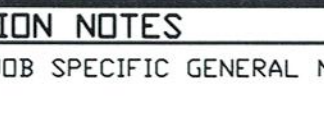
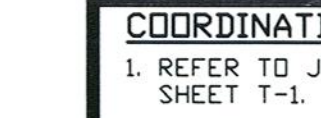
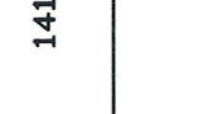
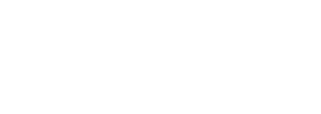
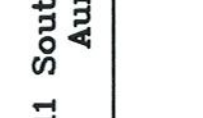
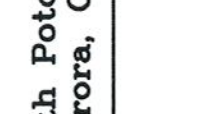
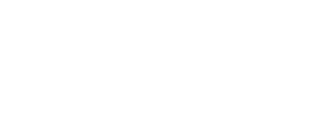
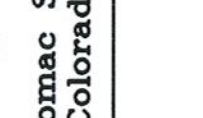
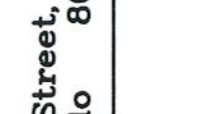
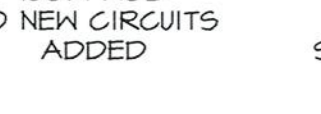
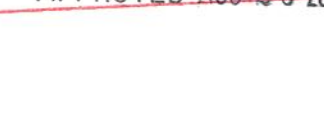
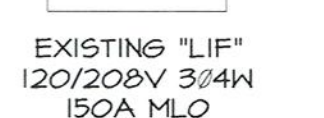
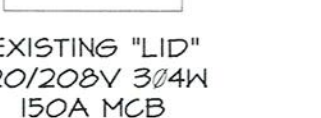
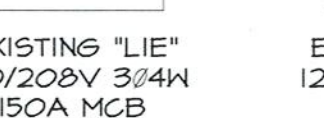
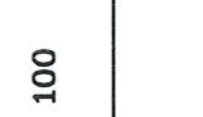
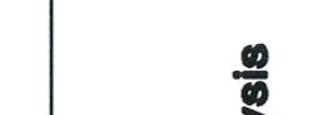
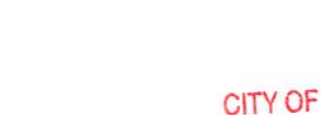
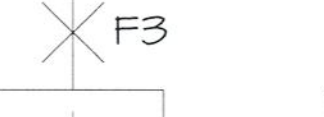
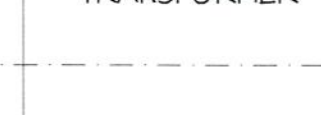
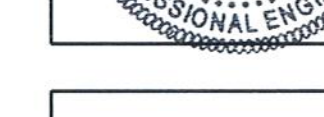
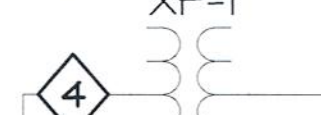
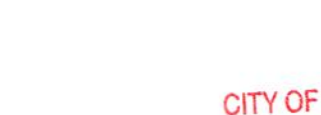
END

EXISTING  
500 KVA  
EXCEL ENERGY  
TRANSFORMER



CONTRACTOR TO PROVIDE 30 DAY DEMAND STUDY ON HIGH LEG OF TRANSFORMER XF-2, AND PANEL HIB, PER NEC 220.81. CONTRACTOR TO PROVIDE ENGINEER OF RECORD PRELIMINARY 7 DAY STUDY AND 30 DAY STUDY WITHIN 48 HOURS OF COMPLETION OF EACH STUDY.

EXISTING "HIB"  
277/480V 3/4W  
400A MLO  
NO NEW CIRCUITS  
ADDED





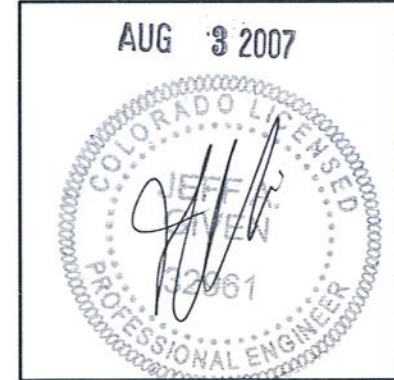


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ARCHITECTURE INTERIORS PLANNING  
5045 NORTH 12TH STREET, SUITE 111, PHOENIX, ARIZONA 85014 (602) 277-1107 FAX (602) 277-9879

DRAWN \_\_\_\_\_  
CHECKED \_\_\_\_\_ JAG  
JOB NO. 0768  
DATE AUG. 3, 2007

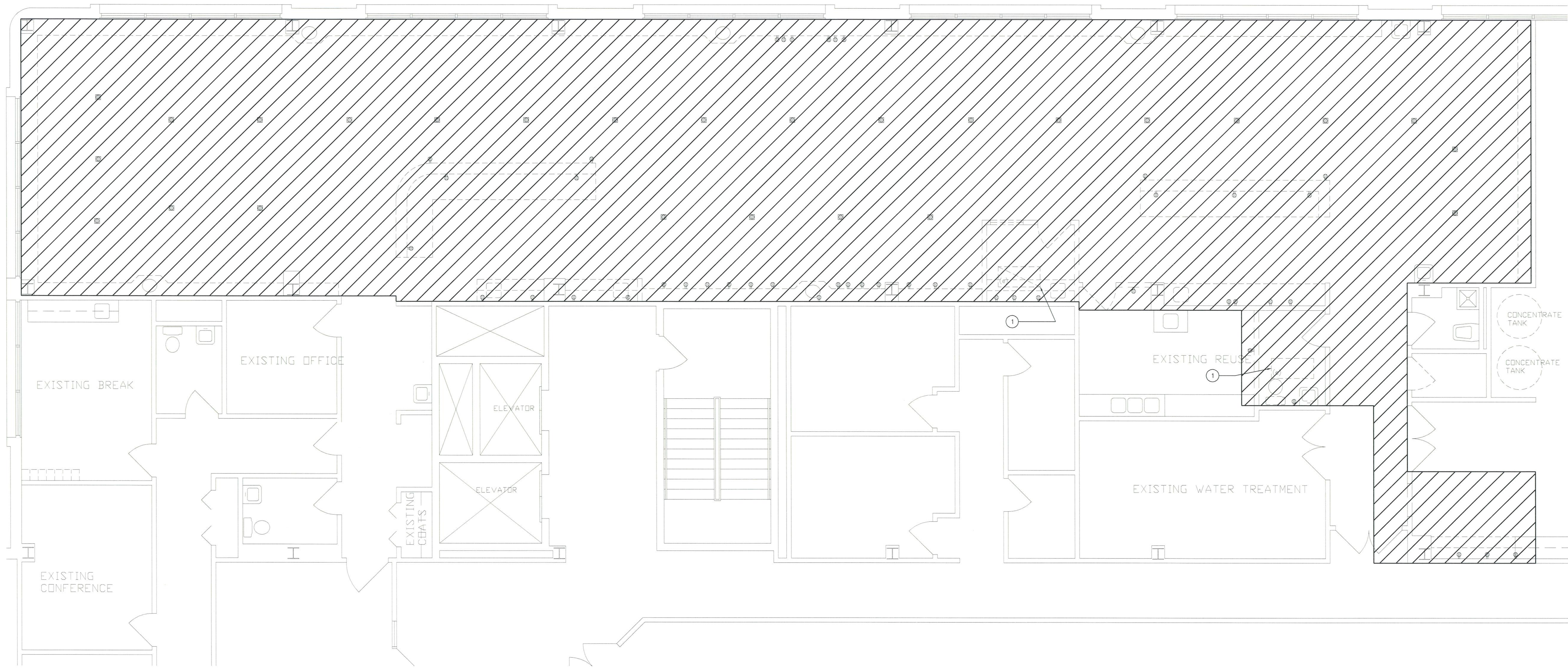
REVISIONS

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Project # 07108



**Davita**  
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1411 South Potomac Street, Suite 100  
Aurora, Colorado 80012

SHEET NO.  
**E2**



**SHEET KEYNOTES**  
1 REMOVE FIXTURE AND STORE FOR RE-INSTALLATION. SEE SHEET E3 FOR NEW LOCATION.

**GENERAL NOTES:**  
1. CONTRACTOR IS TO REMOVE ELECTRICAL ITEMS IN HATCHED AREA THAT ARE REQUIRED TO BE REMOVED IN ORDER TO FACILITATE CONSTRUCTION.  
2. REMOVE ALL CEILING MOUNTED TV RECEPTACLES AND TV JACKS.

07 - 1 96 7 5 0

THIS SHEET OF DRAWINGS  
HAS NOT BEEN REVIEWED  
FOR CODE COMPLIANCE.

**COORDINATION NOTES**  
1. REFER TO JOB SPECIFIC GENERAL NOTES ON SHEET T-1.  
2. MECHANICAL, PLUMBING AND ELECTRICAL SUBCONTRACTORS ARE REQUIRED TO COORDINATE WITH EACH OTHER AND TO REFER TO ALL SHEETS IN THE SET FOR CONSTRUCTION CONDITIONS, NOT JUST THE DRAWINGS PERTAINING TO THEIR DISCIPLINE.  
3. FINAL LOCATION OF ALL SURFACE FEATURES ARE TO BE VERIFIED WITH ARCHITECTURAL DRAWINGS AND/OR ARCHITECT PRIOR TO INSTALLATION.  
4. ALL EXPOSED PIPE, CONDUIT, DUCTWORK TO BE PREPPED BY TRADE FOR PRIME AND FINAL PAINT BY G.C. SEE ARCH. SPECIFICATIONS.

1  
E2  
FIRST FLOOR DEMO  
1/4" = 1'-0"

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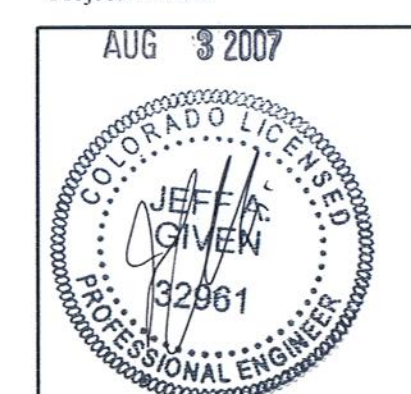


**SEARER, ROBBINS & STEPHENS, INC.**  
ARCHITECTURE  
5045 NORTH 12TH STREET, SUITE 111, PHOENIX, ARIZONA 85014  
(602) 277-1187 FAX (602) 277-9879

DRAWN TJA  
CHECKED JAG  
JOB NO. 0768  
DATE AUG. 3, 2007

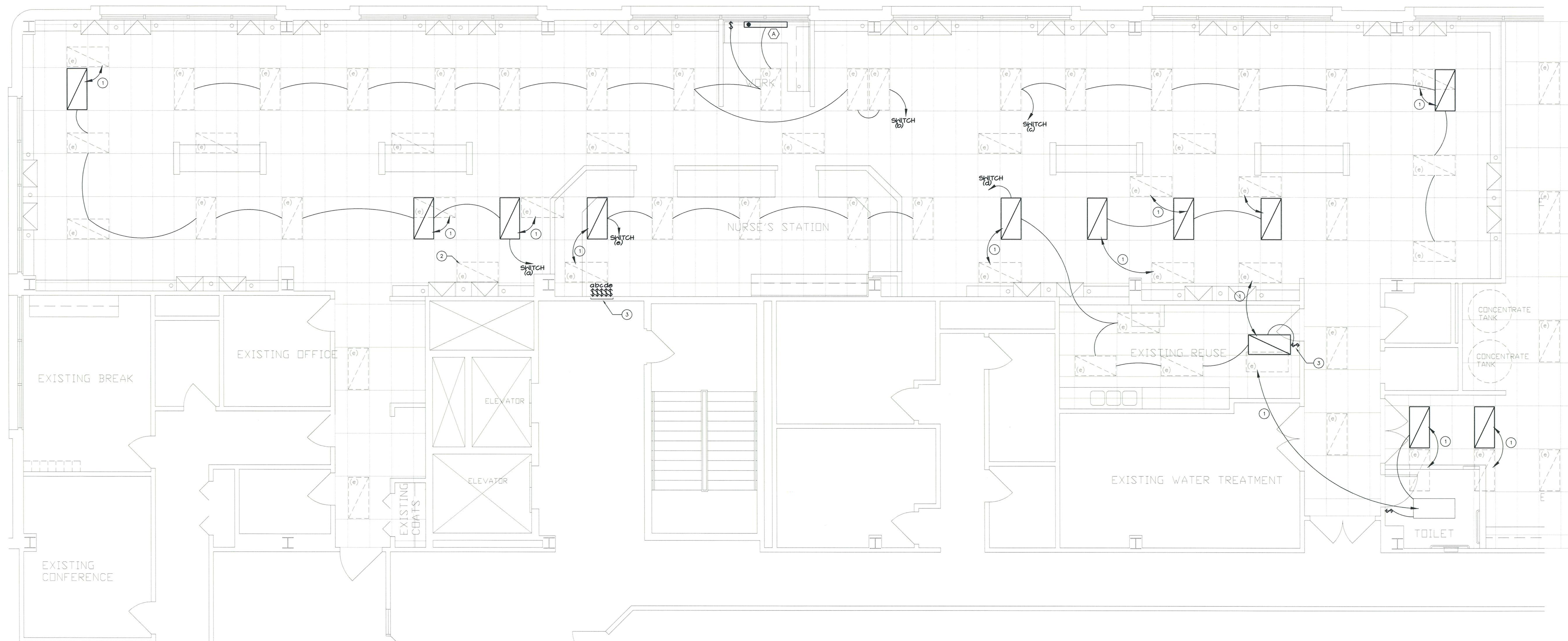
REVISIONS

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735 S. Xenon Ct. #201  
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www.givendassociates.com  
Project # 07108



**Davita**  
at  
Cabinet Replacement at Aurora Dialysis  
1411 South Polomac Street, Suite 100  
Aurora, Colorado 80012

SHEET NO.  
**E3**



**GENERAL NOTES:**

1. TYPE "A" FIXTURES TO BE SWITCHED FROM ROCKER SWITCH ON FIXTURES.
2. NO FIXTURES SHALL BE UNSWITCHED, INCLUDING EMERGENCY FIXTURES. ALL EMERGENCY FIXTURES ARE TO BE WIRED THROUGH SWITCH LEG.

**SHEET KEYNOTES**

1. RELOCATE EXISTING LIGHT FIXTURE AS SHOWN.
2. REMOVE FIXTURE FOR OWNERS SALVAGE.
3. INSTALL NEW SWITCH, RESWITCH EXISTING LIGHTS AS SHOWN.

07-196750

CITY OF AURORA  
BUILDING DIVISION  
APPROVED AS NOTED  
DATE APPROVED AUG 23 2007

**COORDINATION NOTES**

1. REFER TO JOB SPECIFIC GENERAL NOTES ON SHEET T-1.
2. MECHANICAL, PLUMBING AND ELECTRICAL SUBCONTRACTORS ARE REQUIRED TO COORDINATE WITH EACH OTHER AND TO REFER TO ALL SHEETS IN THE SET FOR CONSTRUCTION CONDITIONS, NOT JUST THE DRAWINGS PERTAINING TO THEIR DISCIPLINE.
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4. ALL EXPOSED PIPE, CONDUIT, DUCTWORK TO BE PREPARED BY TRADE FOR PRIME AND FINAL PAINT BY G.C. SEE ARCH. SPECIFICATIONS.

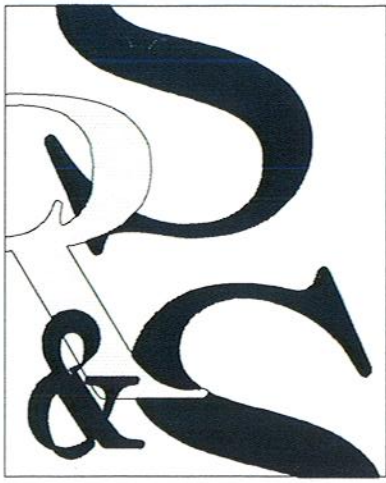
1  
E3  
FIRST FLOOR LIGHTING  
1/4" = 1'-0"

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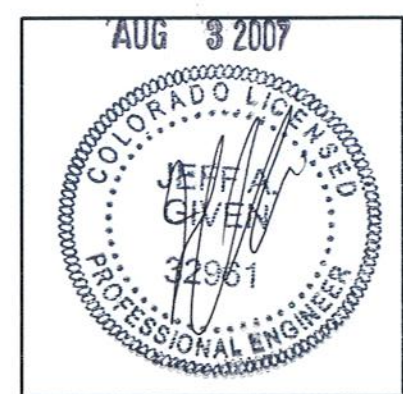


**SEARER, ROBBINS & STEPHENS, INC.**  
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5045 NORTH 12TH STREET, SUITE 111, PHOENIX, ARIZONA 85014  
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PLANNING

DRAWN TJA  
CHECKED JAG  
JOB NO. 0768  
DATE AUG. 3, 2007

REVISIONS

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Project # 07108



**DaVita**  
Cabinet Replacement at Aurora Dialysis  
at  
1411 South Potomac Street, Suite 100  
Aurora, Colorado 80012

SHEET NO.  
**E5**

PANEL	HIB	TYPE		EXISTING				
VOLTAGE	480	MTG		SURFACE				
PHASE	3	ASC		22,000				
WIRES	4	LARGEST MOTOR		3825				
RATING	400							
MAIN BREAKER		MLO						
CKT DESCRIPTION	BKR	CKT	A	B	C	CKT	BKR	CKT DESCRIPTION
R.O. HOT WATER HEATER	10A3P	1	15000	-----	-----	2		SPACE
			0	-----	-----			
		3	-----	15000	-----	4		SPACE
			0	-----	-----			
HOT WATER HEATER	20A3P	5	-----	15000	-----	6		SPACE
			0	-----	-----			
		7	4000	-----	-----			
			16000	-----	-----	8		XF-1
ADMISSION AREA LIGHTS	20AIP	9	-----	4000	-----			
			-----	14400	-----	10	60A3P	45 KVA TRANSFORMER
			-----	4000	-----			PANEL "LIE"
			-----	13800	-----	12		
STORAGE RM LIGHTS	20AIP	13	2400	-----	-----			SPACE
TREATMENT RM LIGHTS	20AIP	15	-----	1200	-----	14		
SPARE	20AIP	17	-----	3800	-----	16	20AIP	NIGHT LIGHTS
			-----	-----	-----			
		19	0	-----	-----	18	20AIP	TREATMENT RM LIGHTS
			17640	-----	-----			
SPARE	20AIP	21	-----	0	-----	20		XF-2
			-----	19365	-----	22	60A3P	45 KVA TRANSFORMER
			-----	0	-----			PANEL "LID"
			-----	18245	-----	24		
R.O. HOT WATER HEATER	20A3P	25	4000	-----	-----	26		
			1275	-----	-----			
		27	-----	4000	-----			
			-----	1275	-----	28	20A3P	TRASH COMPACTOR
SPARE	20AIP	29	-----	4000	-----	30		
			-----	1275	-----			
		31	0	-----	-----			
			0	-----	-----	32	20AIP	SPACE
SPACE		33	-----	0	-----			SPACE
SPACE		35	-----	0	-----	34		SPACE
SPACE		37	-----	0	-----	36		SPACE
SPACE		39	-----	0	-----	38		SPACE
SPACE		41	-----	0	-----	40		SPACE
SPACE			-----	0	-----	42		SPACE
TOTAL VOLT-AMPS		60315		58240	60170			
TOTAL CONNECTED LOAD		171725		VA	216		AMPS	
TOTAL DEMAND		LOAD		DF	DEMAND			
(1) LIGHTING		7400		1.25	9250			
(2) RECEPTACLES		37120		10k+5	23560			
(3) MOTORS		14190		1.25+1	15146			
(4) KITCHEN		0		0.65	0			
(5) CONT. RECEPT		51800		1.00	51800			
(6) ELECTRIC HEAT		64000		1.00	64000			
(7) ELEC. WATER HTG		0		1.00	0			
(8)		0		1.00	0			
(9)		0		1.00	0			
TOTALS		171910		168756				
203 AMPS								

PANEL	LIE	TYPE	EXISTING
VOLTAGE	208	MTG	SURFACE
PHASE	3	ASC	22,000
WIRES	4	LARGEST MOTOR	1000
RATING	225		
MAIN BREAKER	150		
CKT DESCRIPTION	BKR	CKT	A B C CKT BKR
TREATMENT RM GFI	20AIP	1	1600
TREATMENT RM GFI	20AIP	2	
TREATMENT RM GFI	20AIP	3	1600
TREATMENT RM GFI	20AIP	4	
TREATMENT RM GFI	20AIP	5	1600
TREATMENT RM GFI	20AIP	6	
TREATMENT RM GFI	20AIP	7	1600
TREATMENT RM GFI	20AIP	8	
TREATMENT RM GFI	20AIP	9	1600
TREATMENT RM GFI	20AIP	10	
TREATMENT RM GFI	20AIP	11	1600
TREATMENT RM GFI	20AIP	12	
TREATMENT RM GFI	20AIP	13	1600
TREATMENT RM GFI	20AIP	14	
TREATMENT RM GFI	20AIP	15	1600
TREATMENT RM GFI	20AIP	16	
TREATMENT RM GFI	20AIP	17	1600
TREATMENT RM GFI	20AIP	18	
TREATMENT RM GFI	20AIP	19	1600
TREATMENT RM GFI	20AIP	20	
TREATMENT RM GFI	20AIP	21	1600
TREATMENT RM GFI	20AIP	22	
TREATMENT RM GFI	20AIP	23	1600
TREATMENT RM GFI	20AIP	24	
TREATMENT RM GFI	20AIP	25	1600
TREATMENT RM GFI	20AIP	26	
TREATMENT RM GFI	20AIP	27	1600
TREATMENT RM GFI	20AIP	28	
TREATMENT RM GFI	20AIP	29	1600
TREATMENT RM GFI	20AIP	30	
TREATMENT RM GFI	20AIP	31	1600
TREATMENT RM GFI	20AIP	32	
TREATMENT RM GFI	20AIP	33	1600
TREATMENT RM GFI	20AIP	34	
TREATMENT RM GFI	20AIP	35	1600
TREATMENT RM GFI	20AIP	36	
TREATMENT RM GFI	20AIP	37	1600
TREATMENT RM GFI	20AIP	38	
SPACE	20AIP	39	
SPACE	20AIP	40	
SPACE	20AIP	41	
SPACE	20AIP	42	
TOTAL VOLT-AMPS		16000	14400
TOTAL CONNECTED LOAD		44200	VA
TOTAL DEMAND		LOAD	DF DEMAND
(1) LIGHTING		0	1.25 0
(2) RECEPTACLES		0	10k+5 0
(3) MOTORS		1000	1.25+1 1250
(4) KITCHEN		0	0.65 0
(5) CONT. RECEPT		43200	1.00 43200
(6) ELECTRIC HEAT		0	1.00 0
(7) ELEC. WATER HTG		0	1.00 0
(8)		0	1.00 0
(9)		0	1.00 0
TOTALS		44200	44450
			123 AMPS

PANEL	LID	TYPE	EXISTING
VOLTAGE	208	MTG	SURFACE
PHASE	3	ASC	22,000
WIRES	4	LARGEST MOTOR	5100
RATING	225		
MAIN BREAKER	150		
CKT DESCRIPTION	BKR	CKT	A B C CKT BKR
TOILET /SENSOR FAUCET RECEPT	20AIP	1	215
TOILET /SENSOR FAUCET RECEPT	20AIP	2	
SENSOR FAUCETS	20AIP	3	1200
SENSOR FAUCETS	20AIP	4	
PATIENT SCALE	20AIP	5	105
PATIENT SCALE	20AIP	6	
SENSOR FAUCETS	20AIP	7	1000
SENSOR FAUCETS	20AIP	8	
NURSES STATION	20AIP	9	35
NURSES STATION	20AIP	10	
NURSES SATATION RECEPTS	20AIP	11	1000
NURSES SATATION RECEPTS	20AIP	12	
NURSES STATIONS	20AIP	13	720
NURSES STATIONS	20AIP	14	
DED RECEPT	20AIP	15	500
DED RECEPT	20AIP	16	
NURSES STATIONS	20AIP	17	180
NURSES STATIONS	20AIP	18	
COPIER	20AIP	19	1000
COPIER	20AIP	20	
MODULAR FURNITURE	20AIP	21	1200
MODULAR FURNITURE	20AIP	22	
CONFERENCE RECEPTS	20AIP	23	900
CONFERENCE RECEPTS	20AIP	24	
OFFICE RECEPTS	20AIP	25	1000
OFFICE RECEPTS	20AIP	26	
OFFICE RECEPTS	20AIP	27	800
OFFICE RECEPTS	20AIP	28	
NURSE MNG/RECEPTS	20AIP	29	800
NURSE MNG/RECEPTS	20AIP	30	
TELEVISIONS	20AIP	31	1200
TELEVISIONS	20AIP	32	
WAITING RM RECEPTS	20AIP	33	1400
WAITING RM RECEPTS	20AIP	34	
LOUNGE GFI RECEPTS	20AIP	35	1400
LOUNGE GFI RECEPTS	20AIP	36	
LOUNGE REFRIGERATOR	20AIP	37	800
LOUNGE REFRIGERATOR	20AIP	38	
LOUNGE TIME CLOCK	20AIP	39	105
LOUNGE TIME CLOCK	20AIP	40	
LOUNGE DISPOSAL	20AIP	41	200
LOUNGE DISPOSAL	20AIP	42	
TOTAL VOLT-AMPS		17640	18465
TOTAL CONNECTED LOAD		55400	VA
TOTAL DEMAND		LOAD	DF DEMAND
(1) LIGHTING		0	1.25 0
(2) RECEPTACLES		37120	10k+5 23560
(3) MOTORS		9465	1.25+1 10740
(4) KITCHEN		0	0.65 0
(5) CONT. RECEPT		8600	1.00 8600
(6) ELECTRIC HEAT		0	1.00 0
(7) ELEC. WATER HTG		0	1.00 0
(8)		0	1.00 0
(9)		0	1.00 0
TOTALS		55185	42900
			119 AMPS

\* NEW CIRCUIT FOR THIS PROJECT. NEW CIRCUIT BREAKER TO MATCH EXISTING.

PANEL	LIF	TYPE	EXISTING							
VOLTAGE	208	MTG	SURFACE							
PHASE	3	ASC	22,000							
WIRES	4	LARGEST MOTOR	5100							
RATING	MLO	FED FROM PANEL "LID"								
MAIN BREAKER										
CKT DESCRIPTION	BKR	CKT	A B C CKT BKR							
TAP WATER BOOSTER PUMP	30A3P	1	200	-----	2	20AIP	BIC SYSTEM			
		3	-----	200	-----	4	20AIP	BIC SYSTEM		
		5	-----	1000	-----	6	20AIP	SPARE		
		-----	200	-----	8	20AIP	SPARE			
PRE TREATMENT EQUIP	20AIP	7	200	-----	10	20AIP	SPARE			
PRE TREATMENT EQUIP	20AIP	9	-----	200	-----	12	20AIP	SPARE		
PRE TREATMENT EQUIP FILTER	20AIP	11	-----	-----	200	-----	14	20AIP	SPARE	
PRE TREATMENT EQUIP FILTER	20AIP	13	200	-----	-----	-----	16	20AIP	SPARE	
R.O. SYSTEM	30A3P	15	-----	1700	-----	-----	18	20AIP	SPARE	
		17	-----	-----	1700	-----	20	20AIP	SMART STATION	
		19	-----	1000	-----	-----	22	20AIP	SMART STATION	
		1700	-----	-----	-----	24	20AIP	SMART STATION		
BOOSTER PUMP	20AIP	21	-----	200	-----	-----	26	20AIP	SMART STATION	
DIALYSIS UNIT	20AIP	23	-----	800	-----	400	-----	28	20AIP	SMART STATION
BICARB	20AIP	25	400	-----	1400	-----	-----	30	20AIP	SMART STATION
REUSE EXHAUST FAN	20AIP	27	-----	1200	-----	-----	-----	32	20AIP	TREATMENT RM RECEPTS
TELEPHONE EQUIP	20AIP	29	-----	500	-----	800	-----	34	20AIP	TREATMENT RM RECEPTS
HOT WATER RECIRC PUMP	20AIP	31	865	-----	-----	-----	-----	36	20AIP	TREATMENT RM RECEPTS
VAV-1, VAV-2	20AIP	33	-----	1400	-----	100	-----	38	20AIP	TREATMENT RM RECEPTS
SPARE	20AIP	35	-----	1200	-----	-----	-----	40	20AIP	TREATMENT RM RECEPTS
SPACE		37	-----	-----	800	-----	-----	42	20AIP	TREATMENT RM RECEPTS
SPACE		39	-----	1000	-----	-----	-----	44	20AIP	TREATMENT RM RECEPTS
SPACE		41	-----	-----	1200	-----	-----	46	20AIP	SMART STATION
SPACE		43	-----	-----	-----	-----	-----	48	20AIP	SPACE

\* NEW CIRCUIT FOR THIS PROJECT.

#### GENERAL NOTES:

1. DEDICATED RECEPTACLES (GFI GREY ONLY) FOR DIALYSIS BEDS TO BE NEMA 5-20R.
2. INSTALL FIRE PAD BACKING TO ALL DEVICES IN FIRE RATED WALLS.

07-196750

CITY OF AURORA  
BUILDING DIVISION  
APPROVED AS NOTED  
DATE AUG 23 2007

#### COORDINATION NOTES

1. REFER TO JOB SPECIFIC GENERAL NOTES ON SHEET T-1.
2. MECHANICAL, PLUMBING AND ELECTRICAL SUBCONTRACTORS ARE REQUIRED TO COORDINATE WITH EACH OTHER AND TO REFER TO ALL SHEETS IN THE SET FOR CONSTRUCTION CONDITIONS, NOT JUST THE DRAWINGS PERTAINING TO THEIR DISCIPLINE.
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4. ALL EXPOSED PIPE, CONDUIT, DUCTWORK TO BE PREPARED BY TRADE FOR PRIME AND FINAL PAINT BY G.C. SEE ARCH. SPECIFICATIONS.

1  
E5  
PANEL SCHEDULES  
NO SCALE