

**G<sup>2</sup>**  
**GUY GRONBERG**  
**ARCHITECTS, P.C.**  
113 SE 3rd St.  
Lee's Summit, MO 64063  
Phone 816.524.0878  
Fax 816.524.0578

1000000

Lee's Summit Medical Center, MOB  
Suite 2302  
1980 SE Blue Parkway, Lee's Summit, MO 64063

## AREA MAP

- CONSTRUCTION TO REMAIN SO THAT IT MEETS THE AESTHETIC AND FUNCTIONAL STANDARD OF QUALITY FOR NEW CONSTRUCTION. BLEND AND MATCH EXISTING CONSTRUCTION WITH NEW CONSTRUCTION. PRIOR TO BID, ADVISE TENANT OF ANY CONDITIONS WHICH CANNOT BE REPAIRED OR RECONDITIONED, BLENDED AND MATCHED. NOTE CONTRACT DOCUMENT REQUIREMENTS FOR EXISTING CONSTRUCTION AND INCLUDE COSTS FOR THIS WORK IN BID PROPOSAL.
- THE GENERAL CONTRACTOR SHALL, IN THE BIDDING PROCESS, REQUIRE THAT MECHANICAL AND ELECTRICAL SUBCONTRACTORS MAKE A THOROUGH FIELD INSPECTION OF AS-BUILT CONDITIONS OF EXISTING SYSTEMS. AFTER SUCH FIELD VERIFICATION HAS BEEN COMPLETED, THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL PROVIDE IN THEIR BIDS, ANY MODIFICATIONS TO THE EXISTING SYSTEMS WHICH MAY BE REQUIRED TO ACCOMMODATE THE PROPOSED REQUIREMENTS FOR THIS TENANT. IF A DETERMINATION OF SUCH MODIFICATIONS CANNOT BE MADE, THE GENERAL CONTRACTOR SHALL NOTIFY THE TENANT, AND AT THE DIRECTION OF THE TENANT, PROVIDE AN AGREED UPON ALLOWANCE TO COVER SUCH WORK.
- COMMENCING WORK BY A CONTRACTOR OR SUBCONTRACTOR CONSTITUTES ACCEPTANCE OF THE UNDERLYING CONDITIONS AND SURFACES. PRIOR TO PROCEEDING WITH THE WORK, PREPARE EXISTING AND NEW UNDERLYING CONDITIONS AND SUBSTRATE TO COMPLY WITH THE CONTRACT DOCUMENTS, INDUSTRY STANDARDS AND MANUFACTURER'S RECOMMENDATION.
- FIELD VERIFY ALL ROUGH OPENINGS AND WALL WIDTHS PRIOR TO ORDERING OR FABRICATION OF MATERIALS.
- DIMENSIONS ARE NOMINAL AND TO THE FACE OF PARTITIONS
- CLEAN-UP OF RUBBISH AND DEBRIS RESULTING FROM DEMOLITION AND NEW WORK SHALL BE COLLECTED REGULARLY FROM PROJECT SITE AND LEGALLY DISPOSED
- ALL WEATHER EXPOSED SURFACES SHALL HAVE A WEATHER RESISTIVE BARRIER TO PROTECT THE INTERIOR WALL COVERING AND EXTERIOR OPENINGS SHALL BE FLASHED IN SUCH A MANNER AS TO MAKE THEM WEATHERPROOF
- CONTRACTORS ARE RESPONSIBLE FOR ALL MATERIALS AND QUANTITIES SHOWN IN THESE DRAWINGS GRAPHICALLY AS WELL AS THOSE CALLED FOR BY NOTE
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS TO COMPLETE THE PROPOSED WORK AND SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS
- THE TENANT OR THE TENANT'S DESIGNATED REPRESENTATIVE WILL PROVIDE SERVICES IN CONNECTION WITH ADMINISTRATION OF THE CONTRACT
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS OF THE GOVERNING AGENCIES HAVING JURISDICTION
- THE CONTRACTOR MUST TAKE ADEQUATE CARE TO PROTECT ALL AREAS OF THE BUILDING WHERE THE WORK OF THIS PROJECT IS LOCATED AS WELL AS

- A. TENANT FINISH
- B. ALL CONSTRUCTION FOR THIS PROJECT SHALL CONFORM TO THE FOLLOWING BUILDING CODES AND REQUIREMENTS ADOPTED AND AS AMENDED BY THE CITY OF LEE'S SUMMIT, MISSOURI:
- B.1. 2018 International Building Code
  - B.2. 2018 International Plumbing Code
  - B.3. 2018 International Mechanical Code
  - B.4. 2018 International Fuel Gas Code
  - B.5. 2018 International Residential Code
  - B.6. 2018 International Fire Code
  - B.7. 2017 National Electrical Code
  - B.8. ICC/ANSI A117.1-2009, Accessible and Usable Buildings and Facilities
- C. OCCUPANCY GROUP: B
- D. CONSTRUCTION TYPE: B
- E. FULLY-SPRINKLED  
FIRE ALARM PROVIDED
- F. SQUARE FOOTAGE TENANT INFILL = 1,568 SF
- G. OCCUPANT LOAD = 1,568/ 150 = 10.45 = 11 OCC
- H. SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY (TABLE 1006.2.1):
- H.1. OCCUPANCY = MAXIMUM OCCUPANT LOAD 48
  - H.2. COMMON PATH OF EGRESS TRAVEL IN GROUP B OCCUPANCY WITH SPRINKLER SYSTEM HAS AN OCCUPANT LOAD OF 48; THE LENGTH OF COMMON EGRESS TRAVEL SHALL NOT BE MORE THAN 100 FEET.

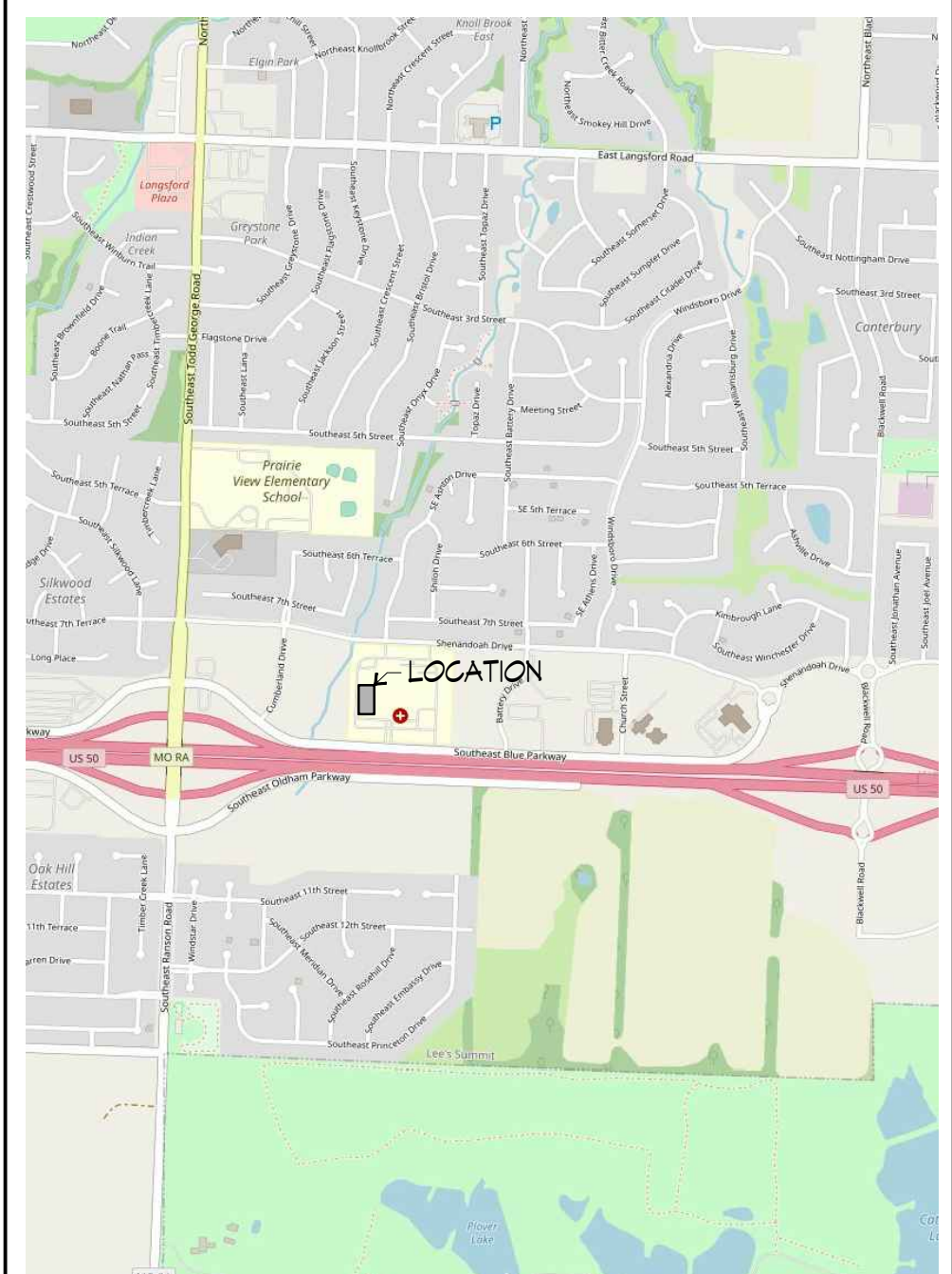
AREA OF WORK

CON PAT

UNFINISHED AREA

UNFINISHED AREA

NO WORK IN SHADED AREA

[illegible]

CS








- 1 OWNER PROVIDED FURNITURE NOT IN CONTRACT IS INDICATED THIS  
THUS ——— ——— ——— ——— ——— ——— ——— ——— ——— ———
- 2 FUTURE EXAM ROOM CASEWORK. PROVIDE PLUMBING, ELECTRICAL AND  
DATA TO LOCATION TO ACCOMMODATE FUTURE NEEDS.
- 3 PROVIDE 6" STUDS IN LIEU OF SIZED INDICATED BY WALL TYPE.
- 4 SEE 1/AS FLOORING 5/AS FOR TYPICAL EXAM ROOM PLAN AND  
ELEVATIONS.
- 5 REMOVE AND SALVAGE DOOR, FRAME AND HARDWARE. FILL OPENING  
WITH GYPSUM BOARD AND METAL FRAMING AND FINISH FLUSH WITH  
EXISTING WALL. PRIME AND PAINT CORRIDOR SIDE TO MATCH EXISTING.
- 6 REMOVE AND DISCARD PORTION OF WALL AND REFRAME AND FINISH W/IN  
GYPSUM BOARD TO PROVIDE NEW OPENING.
- 7 PROVIDE FIRE EXTINGUISHER AND CABINET PER SPECIFICATION.
- 8 EXTERIOR WALL HAS EXISTING TO REMOVE GYPSUM BOARD INSTALLED  
FROM WINDOW SILL HEIGHT TO UNDERSIDE OF ROOF DECK. INSTALL  
GYPSUM BOARD FROM FLOOR TO WINDOW SILL HEIGHT. TAPE AND FINISH  
FROM FLOOR TO 9'-0" AFF INCLUDING RETURNS AT JAMBS AND HEADS OF  
WINDOWS. ABOVE 9'-0" AFF TO UNDERSIDE OF ROOF DECK FIRE TAPE ALL  
JOINTS AND FASTENERS.
- 9 EXISTING TO REMOVE STAIR WALL HAS GYPSUM BOARD INSTALLED AND H  
BEEN FIRE RATED STAIR WALL AS REQUIRED TO RECEIVE NEW FINISH  
FROM FLOOR TO 9'-0" AFF.
- 10 EXISTING TO REMOVE CORRIDOR FRAMING TO HAVE NEW GYPSUM BOARD  
INSTALLED FROM FLOOR TO UNDERSIDE OF ROOF DECK. TAPE AND FINISH  
FROM FLOOR TO 9'-0" AFF. ABOVE 9'-0" AFF TO UNDERSIDE OF ROOF  
DECK FIRE TAPE ALL JOINTS AND FASTENERS. PROVIDE ACOUSTICAL  
SEALANT AT ALL PERIMETERS AND THRU WALL PENETRATIONS.
- 11 AT BACK SIDE OF FURRING PROVIDE AND FINISH GYPSUM BOARD FOR S  
TO HEAD OF WINDOW.
- 12 PROVIDE SOLID SURFACE 552 SILL WITH LIP AT WINDOWS TO MATCH  
BUILDING STANDARD.
- 13 AT RECESS PROVIDE SOLID SURFACE 552 SILL FLUSH WITH WINDOW SILL  
OVER PLYWOOD OVER FRAMING.
- 14 INSTALL AND FINISH TILE BACKER AND GYPSUM BOARD OVER EXISTING  
GYPSUM BOARD AT NORTH WALL OF TOILET ROOM.
- 15 PROVIDE 1 ROWS OF 18" DP. X 1" THK. MELAMINE GLAD PART BD.  
SHELVING ON KV 102 BRACKETS AND 94" KV 82 STANDARDS AT MAX 30  
O.C.
- 16 FUTURE SINK LOCATION. PROVIDE PLUMBING AND CAP OFF AT LOCATION  
TO ACCOMMODATE FUTURE NEEDS.



WALL PROTECTION		FINISH MATERIAL LEGEND		FINISH GENERAL NOTES		FINISH SCHEDULE																																																																																																																																																																														
<u>CORNER GUARDS</u>  CG-1		<u>FLOORING</u>		<u>CASEWORK AND MILLWORK FINISHES</u>		<div>1. FINISH MATERIALS LISTED HERE-IN ARE TO ESTABLISH THE SIGNIFICANT QUALITIES RELATED TO TYPE, FUNCTION, DIMENSION, PRICE, PHYSICAL PROPERTIES, APPEARANCE, AND OTHER CHARACTERISTICS OF THE PRODUCT. FINAL SELECTION OF ALL FINISHES ARE TO BE ESTABLISHED AND PROVIDED BY THE INTERIOR DESIGNER.</div> <div>2. PATCH, LEVEL AND PREPARE ALL FLOORS AS RECOMMENDED BY FLOORING MANUFACTURER FOR EACH TYPE OF FLOORING TO BE PLACED. USE TROWELABLE LEVELING AND PATCHING COMPOUND TO FILL CRACKS, HOLES, AND DEPRESSIONS IN SUBSTRATES. TROWELABLE LEVELING AND PATCHING COMPOUNDS SHALL BE OF LATEX-MODIFIED, PORTLAND CEMENT BASED OR BLENDED HYDRAULIC CEMENT BASED FORMULATION PROVIDED OR APPROVED BY FLOOR COVERING MANUFACTURER FOR APPLICATIONS INDICATED.</div> <div>3. TRANSITIONS BETWEEN FLOOR FINISHES:<div>3.1. ALL PORCELAIN TILE FLOORING TO HAVE SCHLUTER SCHEN SATIN ANODIZED ALUMINUM TRIM TO MATCH TILE DEPTH. RAISE ADJACENT FLOORING WITH ROPPE SUBLEVELER TS-1 SO FINISH HEIGHTS ARE EQUAL AND BUTT ADJACENT FLOORING TO TILE TRIM PIECE.</div><div>3.2. AT ALL LOCATIONS NOT INDICATED FLOORING MATERIAL IS TO BE TIGHTLY BUTTED TOGETHER. AT ALL TRANSITIONS WHERE FINISHED FLOOR HEIGHT OF A FLOORING IS HIGHER THEN ADJACENT FLOOR FINISH, RAISE ADJACENT FLOORING WITH ROPPE SUBLEVELER TS-1 SO FINISH HEIGHTS ARE EQUAL.</div></div> <div>4. IF SUBSTITUTIONS ARE MADE WITH SUPPLIER OF PAINT, SAMPLE TO BE SUBMITTED FOR APPROVAL.</div>		<table><tr><th rowspan="2">RM. #</th><th rowspan="2">ROOM NAME</th><th rowspan="2">FLOOR</th><th rowspan="2">BASE</th><th colspan="4">WALL</th><th rowspan="2">NOTE</th></tr><tr><th>NORTH</th><th>EAST</th><th>SOUTH</th><th>WEST</th></tr><tr><td>302.01</td><td>NATING</td><td>LVT</td><td>B1</td><td>PT3</td><td>PT1</td><td>PT1</td><td>PT1</td><td>1.</td></tr><tr><td>302.02</td><td>BUSINESS</td><td>GPT</td><td>B1</td><td>PT1</td><td>PT1</td><td>PT1</td><td>PT1</td><td></td></tr><tr><td>302.03</td><td>HALL</td><td>LVT</td><td>B1</td><td>PT1</td><td>PT1</td><td>PT1</td><td>PT1</td><td>1.</td></tr><tr><td>302.04</td><td>STORAGE</td><td>LVT</td><td>B1</td><td>PT1</td><td>PT1</td><td>PT1</td><td>PT1</td><td></td></tr><tr><td>302.05</td><td>TOILET</td><td>TL1</td><td>TL2</td><td colspan="4">SEE INTERIOR ELEVATIONS</td><td></td></tr><tr><td>302.06</td><td>NURSE</td><td>LVT</td><td>B1</td><td>PT1</td><td>PT1</td><td>PT1, PT3</td><td>PT1</td><td>2.</td></tr><tr><td>302.07</td><td>OFFICE</td><td>GPT</td><td>B1</td><td>PT1</td><td>PT1</td><td>PT3</td><td>PT1</td><td></td></tr><tr><td>302.08</td><td>CLOSET</td><td>LVT</td><td>B1</td><td>PT1</td><td>PT1</td><td>PT1</td><td>PT1</td><td></td></tr><tr><td>302.09</td><td>EXAM 1</td><td>LVT</td><td>B1</td><td>PT1</td><td>PT1</td><td>PT3</td><td>PT1</td><td></td></tr><tr><td>302.10</td><td>EXAM 2</td><td>LVT</td><td>B1</td><td>PT3</td><td>PT1</td><td>PT1</td><td>PT1</td><td></td></tr><tr><td>302.11</td><td>HALL</td><td>LVT</td><td>B1</td><td>PT1</td><td>PT1</td><td>PT1</td><td>PT1</td><td></td></tr><tr><td>302.12</td><td>EXAM 3</td><td>LVT</td><td>B1</td><td>PT1</td><td>PT1</td><td>PT3</td><td>PT1</td><td></td></tr><tr><td>302.13</td><td>EXAM 4</td><td>LVT</td><td>B1</td><td>PT3</td><td>PT1</td><td>PT1</td><td>PT1</td><td></td></tr><tr><td>302.14</td><td>CLOSET</td><td>LVT</td><td>B1</td><td>PT1</td><td>PT1</td><td>PT1</td><td>PT1</td><td></td></tr><tr><td>302.15</td><td>BREAK</td><td>LVT</td><td>B1</td><td>PT1</td><td>PT1</td><td>PT1</td><td>PT1</td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>							RM. #	ROOM NAME	FLOOR	BASE	WALL				NOTE	NORTH	EAST	SOUTH	WEST	302.01	NATING	LVT	B1	PT3	PT1	PT1	PT1	1.	302.02	BUSINESS	GPT	B1	PT1	PT1	PT1	PT1		302.03	HALL	LVT	B1	PT1	PT1	PT1	PT1	1.	302.04	STORAGE	LVT	B1	PT1	PT1	PT1	PT1		302.05	TOILET	TL1	TL2	SEE INTERIOR ELEVATIONS					302.06	NURSE	LVT	B1	PT1	PT1	PT1, PT3	PT1	2.	302.07	OFFICE	GPT	B1	PT1	PT1	PT3	PT1		302.08	CLOSET	LVT	B1	PT1	PT1	PT1	PT1		302.09	EXAM 1	LVT	B1	PT1	PT1	PT3	PT1		302.10	EXAM 2	LVT	B1	PT3	PT1	PT1	PT1		302.11	HALL	LVT	B1	PT1	PT1	PT1	PT1		302.12	EXAM 3	LVT	B1	PT1	PT1	PT3	PT1		302.13	EXAM 4	LVT	B1	PT3	PT1	PT1	PT1		302.14	CLOSET	LVT	B1	PT1	PT1	PT1	PT1		302.15	BREAK	LVT	B1	PT1	PT1	PT1	PT1																			
RM. #	ROOM NAME	FLOOR	BASE	WALL				NOTE																																																																																																																																																																												
				NORTH	EAST				SOUTH	WEST																																																																																																																																																																										
302.01	NATING	LVT	B1	PT3	PT1			PT1	PT1	1.																																																																																																																																																																										
302.02	BUSINESS	GPT	B1	PT1	PT1			PT1	PT1																																																																																																																																																																											
302.03	HALL	LVT	B1	PT1	PT1	PT1	PT1	1.																																																																																																																																																																												
302.04	STORAGE	LVT	B1	PT1	PT1	PT1	PT1																																																																																																																																																																													
302.05	TOILET	TL1	TL2	SEE INTERIOR ELEVATIONS																																																																																																																																																																																
302.06	NURSE	LVT	B1	PT1	PT1	PT1, PT3	PT1	2.																																																																																																																																																																												
302.07	OFFICE	GPT	B1	PT1	PT1	PT3	PT1																																																																																																																																																																													
302.08	CLOSET	LVT	B1	PT1	PT1	PT1	PT1																																																																																																																																																																													
302.09	EXAM 1	LVT	B1	PT1	PT1	PT3	PT1																																																																																																																																																																													
302.10	EXAM 2	LVT	B1	PT3	PT1	PT1	PT1																																																																																																																																																																													
302.11	HALL	LVT	B1	PT1	PT1	PT1	PT1																																																																																																																																																																													
302.12	EXAM 3	LVT	B1	PT1	PT1	PT3	PT1																																																																																																																																																																													
302.13	EXAM 4	LVT	B1	PT3	PT1	PT1	PT1																																																																																																																																																																													
302.14	CLOSET	LVT	B1	PT1	PT1	PT1	PT1																																																																																																																																																																													
302.15	BREAK	LVT	B1	PT1	PT1	PT1	PT1																																																																																																																																																																													
CG-1 CORNER GUARDS C/S ACRYLYN 55M-20AN-ACRYLYN- 4000 PUMICE #855 2' 40 DEGREE, ABOVE BASE TO 48" A.F.F.		CPT 24" X 24" CARPET TILE: SHAW CONTRACT, MEMORY TILE, RAINSTORM-48536, ASHLAR INSTALL		L1 PLASTIC LAMINATE: WILSONART, EBONY RECON 7997-38 FINE VELVET FINISH WITH MATCHING EDGE BANDS																																																																																																																																																																																
CG-2 CORNER GUARDS C/S ACRYLYN 55M-25AN-ACRYLYN 4000 PUMICE #855 2' END WALL, ABOVE BASE TO 48" A.F.F.		LVT 4.5' X 36" LUXURY VINYL TILE: MANNINGTON COMMERCIAL AMTICO WOOD LOOK TILE WITH A TICK FINISH AND INSTALLED IN A RANDOM BOND PATTERN. LONG DIRECTION OF TILE TO RUN EAST TO WEST THROUGHOUT SUITE. COLORWAY TO BE SELECTED FROM MANUFACTURERS FULL RANGE.		L2 PLASTIC LAMINATE: WILSONART GENERAL PURPOSE TYPE 107 H66 LAMINATE. (TO BE DETERMINED)																																																																																																																																																																																
		<u>BASE</u>		551 SOLID SURFACE TRANSACTION TOPS: WILSONART SOLID SURFACE, SCM, PRODUCT TO BE SELECTED FROM WILSONART PRICE GROUP 3.																																																																																																																																																																																
		B1 MANNINGTON WALL BASE: 4" HIGH, TOELESS, ROLLED GOODS, TO MEET THE PERFORMANCE AND DIMENSIONAL REQUIREMENTS OF ASTM F-1861, TYPE TP.		552 SOLID SURFACE WINDOWS SILLS: MATCH BUILDING STANDARD.																																																																																																																																																																																
		<u>TILE</u>																																																																																																																																																																																		
		NOTE: EDGE OF ALL WALL AND FLOOR TILE IS TO BE CAPPED WITH SCHLUTER SCHEN ANODIZED ALUMINUM TRIM. SEAL GROUT PER MANUFACTURERS RECOMMENDATIONS.																																																																																																																																																																																		
		TL1 24" X 24" PORCELAIN FLOOR TILE: ATLAS CONCORDE, EON, CORINTHIAN BIEGE, TILE IS TO BE SET IN A 1/2 BOND PATTERN. GROUT TO BE MAPEI MAFNUT																																																																																																																																																																																		
		TL2 6" HIGH TILE BASE IS TO BE CUT FROM TL3 TILE. GROUT TO BE MAPEI COBBLESTONE																																																																																																																																																																																		
		TL3 12" X 24" PORCELAIN WALL TILE: ATLAS CONCORDE, EON ELDORADO (MATTE) TILE IS TO BE SET IN A 1/2 BOND PATTERN. GROUT TO BE MAPEI COBBLESTONE																																																																																																																																																																																		
		TL4 12" X 12" MOSAIC, ATLAS CONCORDE, FRAY TATAMI MARM (MATTE) GROUT TO BE MAPEI COBBLESTONE																																																																																																																																																																																		
		<u>PAINT COLORS</u>																																																																																																																																																																																		
		NOTE: ALSO REFER TO PAINT SCHEDULE IN SPECIFICATIONS FOR PAINTS.																																																																																																																																																																																		
		PT1 PRIMARY FIELD COLOR: SHERWIN WILLIAMS, SNOWBOUND SW9004																																																																																																																																																																																		
		PT2 TOILET ROOM COLOR: SHERWIN WILLIAMS, GRAY CLOUDS SW7658																																																																																																																																																																																		
		PT3 ACCENT COLOR: TBD																																																																																																																																																																																		
		PT4 DOOR FRAME AND WINDOW TRIM COLOR: TO MATCH BUILDING STANDARD																																																																																																																																																																																		





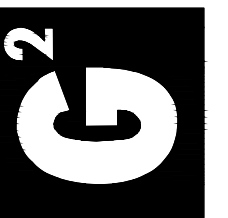
6Z-1 1/4" CLEAR TEMPERED SAFETY GLASS WITH APPLIED WINDOW FILM.

6Z-2 1/2" CLEAR TEMPERED SAFETY GLASS WITH APPLIED WINDOW FILM. BASIS OF DESIGN FILM TO BE SOLYX SX-3131 ECO DUSTE INSTALLED WITH 1" CLEAR BOARDER AT PERIMETER OF EACH GLASS PANE. VERIFY FINAL SELECTION WITH OWNER.

1. FINISH HARDWARE TO MEET REQUIREMENTS OF ANSI/BHMA A156 STANDARDS FOR GRADE 2. PROVIDE PRODUCTS AS MANUFACTURED BY ALLEGION / SCHLAGE OR APPROVED EQUIVALENT.
2. THE CONTRACTOR SHALL VERIFY LOCK/LATCH FUNCTIONS AND ALL KEYING REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.
3. HARDWARE FINISHES AND LEVER STYLES ARE TO MATCH EXISTING HARDWARE IN SAME AREA.
4. HARDWARE MOUNTING HEIGHTS BY THE DOOR AND HARDWARE INSTITUTE "RECOMMENDED" LOCATIONS FOR BUILDERS HARDWARE". ALL DOOR HARDWARE IS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND HAVE LEVER HANDLES.
5. DOOR FRAME FLOOR ANCHOR CLIPS SHALL BE SECURED WITH NOT LESS THAN 2 SUITABLE FASTENERS. DOOR JAMB ANCHOR CLIPS SHALL BE BOLTED OR SCREWED TO STUDS, THREE PER JAMB.



**GUY GRONBERG  
ARCHITECTS, P.C.**  
113 SE 3rd St



Suite 2302

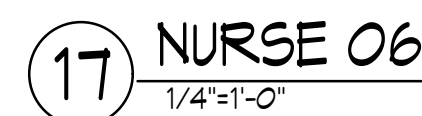
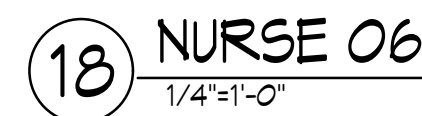
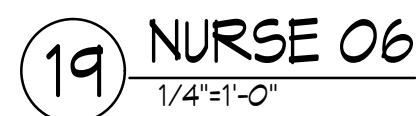
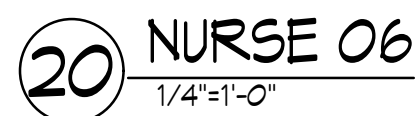
1980 SE Blue Parkway, Lee's Summit, MO 64063

under his supervision and is intended for use on this project only. Payment to the Architectural Works Copyright Protection Act of 1990, all drawings, specifications, ideas and designs, including the overall form, arrangement and composition of spaces and elements appearing herein, constitute the original, copyrighted work of the Designer/Architect. Any reproduction, use or transmission of this work without the prior written consent of the Architect is strictly prohibited.

© COPYRIGHT 2020 GUY  
GROENBERG ARCHITECTS P.C.

[illegible]

# A4



ITEM	DESCRIPTION
<u>EQ.MEG</u>	MEDICAL EQUIPMENT: MISCELLANEOUS FURNISHED AND INSTALLED BY OWNERS VENDOR. CONTRACTOR IS TO COORDINATE AND PROVIDE HOOK UP REQUIREMENTS.
<u>EQ.MWV</u>	<u>MICROWAVE</u> : FURNISHED AND INSTALLED BY OWNER.
<u>EQ.PC</u>	<u>COMPUTER</u> : FURNISHED AND INSTALLED BY OWNER.
<u>EQ.PRT</u>	PRINTER: FURNISHED AND INSTALLED BY OWNER.
<u>EQ.REF</u>	<u>REFRIGERATOR</u> : FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.
<u>EQ.TC</u>	TRASH CAN: FURNISHED AND INSTALLED BY OWNER.
<u>EQ.TV</u>	FLAT SCREEN TV / MONITOR: SCREEN AND MOUNT TO BE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.
<u>EQ.UCR</u>	UNDER COUNTER REFRIGERATOR: FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.

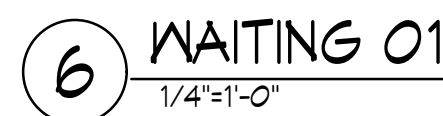
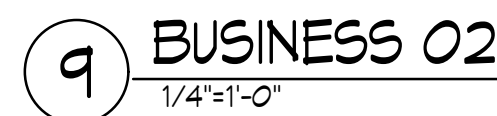
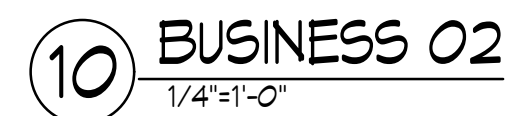
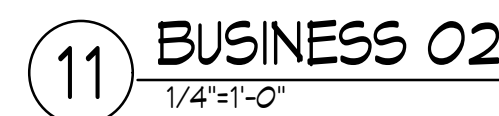
CMB1	BRACKET FOR 24"D COUNTER - A AND M HARDWARE INC. 18"x18" STANDARD STEEL WORK STATION BRACKET - BLACK
CMB2	CONCEALED FLAT BRACKET - A AND M HARDWARE INC. CFLAT18(2.0) STEEL BRACKET - BLACK
CMB3	ECLIPSE SUPPORT BRACKET - RAKKS EG-0812 SILVER POWDER COAT
CMBP	PENCIL DRAWER - 3'x4' 24" FLAS LAM GLAD DRAWER WITH BALL BEARING O/VEREXTENSION SLIDES

TA36	36" GRAB BAR, 1-1/2" DIAMETER, WITH CONCEALED MOUNTING - BOBBICK B-5806. MOUNT 6" FROM BACK CORNER AT 2'-10" AFF
TA42	42" GRAB BAR, 1-1/2" DIAMETER, WITH CONCEALED MOUNTING - BOBBICK B-5806. MOUNT 12" FROM BACK CORNER AT 2'-10" AFF
TA18	18" VERTICAL GRAB BAR, 1-1/2" DIAMETER, WITH CONCEALED MOUNTING - BOBBICK B-5806. MOUNT 3'-4" FROM BACK CORNER WITH CENTER OF BOTTOM MOUNT AT 3'-4" AFF
TAM1	MIRROR: 40" TALL X 20" WIDE 1/4" TEMPERED MIRROR, SEALED EDGES, BEHIND MIRROR INSTALL 18" X30" PLYNWOOD BACKER BOARD WITH THICKNESS TO MATCH WALL TILE. SECURE MIRROR TO BOARD WITH MASTIC

G2.01	SLIDING DOOR WITH FIXED SIDELITE PANEL. PASS THRU WINDOW TO BE CR LAURENCE CUSTOM SHARYN FRAMELESS <sup>®</sup> PASS-THRU, SATIN ANODIZED, COMPLETE WITH ALL ACCESSORIES, BUMPERS, STRIKES AND GUIDES ECT. PROVIDE PUSH BUTTON LOCK. PROVIDE 1/4" CLEAR TEMPERED GLASS.
G2.02	FIXED GLASS PANEL WINDOW TO BE CR LAURENCE SATIN ANODIZED SHARYN D24A OVERHEAD TRACK, D26 FIXED LITE INSET, AND D631 BOTTOM RAIL WITH PSB125 SETTING BLOCKS. PROVIDE 1/4" CLEAR TEMPERED GLASS SECURED WITH SILICONE SEALANT.



12 BUSINESS 02  
1/4"=1'-0"





---

- 7. TESTING, BALANCING AND CLEANING:**
- A. ALL PIPING SHALL BE TESTED FOR LEAKS BEFORE BEING CONCEALED IN WALL CONSTRUCTION OR COVERED WITH INSULATION.
  - B. SEWER AND VENT PIPING SHALL BE HYDROSTATICALLY TESTED WITH NO LESS THAN 10 FEET OF HEAD FOR A PERIOD OF NOT LESS THAN 15 MINUTES, PER THE LOCAL PLUMBING CODE, WITH NO LEAKS.
  - C. DOMESTIC WATER PIPING SHALL BE HYDROSTATICALLY TESTED AT A PRESSURE OF NOT LESS THAN 1-1/2 TIMES THE DESIGN PRESSURE, BUT NOT LESS THAN 60 PSI, FOR A PERIOD OF NOT LESS THAN 2 HOURS, WITH NO LEAKS.
  - D. BEFORE DOMESTIC WATER PIPING IS PLACED IN SERVICE, ALL DOMESTIC WATER DISTRIBUTION SYSTEMS, INCLUDING THOSE FOR COLD WATER AND HOT WATER SYSTEMS, SHALL BE FLUSHED, STERILIZED AND CHLORINATED IN ACCORDANCE WITH THE HEALTH DEPARTMENT REGULATIONS. THE SYSTEMS SHALL BE FLUSHED WITH FLUSHING WATER UNTIL THE WATER IS FILLED WITH NO LESS THAN 50 PPM OF CHLORINE. DURING THE FILLING PROCESS, VALVES AND FAUCETS SHALL BE OPENED SEVERAL TIMES TO ASSURE TREATMENT OF THE ENTIRE SYSTEM. THE TREATED WATER SHALL BE LEFT IN THE SYSTEM FOR 24 HOURS AFTER WHICH TIME THE SYSTEM SHALL BE FLUSHED; IF THE RESIDUAL CHLORINE IS NOT LESS THAN 10 PPM, THE FLUSHING SHALL BE REPEATED. AFTER STERILIZATION SAMPLES OF WATER SHALL BE OBTAINED AND APPROVED BY THE BOARD OF HEALTH.
  - E. DUCTWORK AND PIPING SHALL BE BALANCED BY QUALIFIED BALANCING PERSONNEL WHO HAVE PREVIOUS EXPERIENCE WITH BALANCING PROCEDURES AND ARE FAMILIAR WITH TESTING AND BALANCING PROCEDURES OF THE ASSOCIATED AIR BALANCE COUNCIL (AABC) OR NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB).
- F. BALANCING SHALL INCLUDE THE BALANCING OF THE EQUIPMENT AND AIR DISTRIBUTION SYSTEMS TO PROVIDE DESIGN QUANTITIES INDICATED AND VERIFICATION PERFORMANCE OF ALL EQUIPMENT AND AUTOMATIC CONTROLS.

- 13. REMODELING WORK:**
- A. THIS PROJECT INVOLVES CONSTRUCTION INSIDE AN EXISTING STRUCTURE. CONTRACTORS, BY SUBMITTING A BID, ARE DEEMED TO BE COMPLETELY FAMILIAR WITH THE EXISTING CONDITIONS OF THE BUILDING AS IT INFLUENCES THE WORK DESCRIBED. NO CLAIMS FOR EXTRA COMPENSATION WILL BE CONSIDERED FOR EXISTING CONDITIONS VISIBLE OR REASONABLY INFERRABLE FROM A CAREFUL EXAMINATION OF THE EXISTING BUILDING CONDITIONS.
- B. CONTRACTOR SHALL INSPECT THE EXISTING FIELD CONDITIONS AT THE SITE AND THE CONTRACT DOCUMENTS PRIOR TO THE START OF ANY WORK TO DETERMINE WHAT EFFECT THE EXISTING CONDITIONS WILL HAVE ON THE WORK POTENTIAL. CONTRACTOR SHALL REPORT DISCREPANCIES TO THE ARCHITECT AND INCLUDE IN THE BID ALL COSTS REQUIRED TO MAKE THE WORK MEET EXISTING CONDITIONS.
- C. PROTECT ADJACENT MATERIALS INDICATED TO REMAIN, INSTALL AND MAINTAIN DUST AND NOISE BARRIERS TO KEEP PAINT, DUST AND NOISE FROM BEING TRANSMITTED TO ADJACENT AREAS. REMOVE PROTECTION AND BARRIERS AFTER REMODELING OPERATIONS ARE COMPLETE.

---

HVAC EQUIPMENT &amp; DUCTWORK

---



CYANIDE	DESCRIPTION
---------	-------------

AFF	ABOVE FINISHED FLOOR	MC	MECHANICAL CONTRACTOR
-----	----------------------	----	-----------------------

---

ANNOTATION

---

- ©

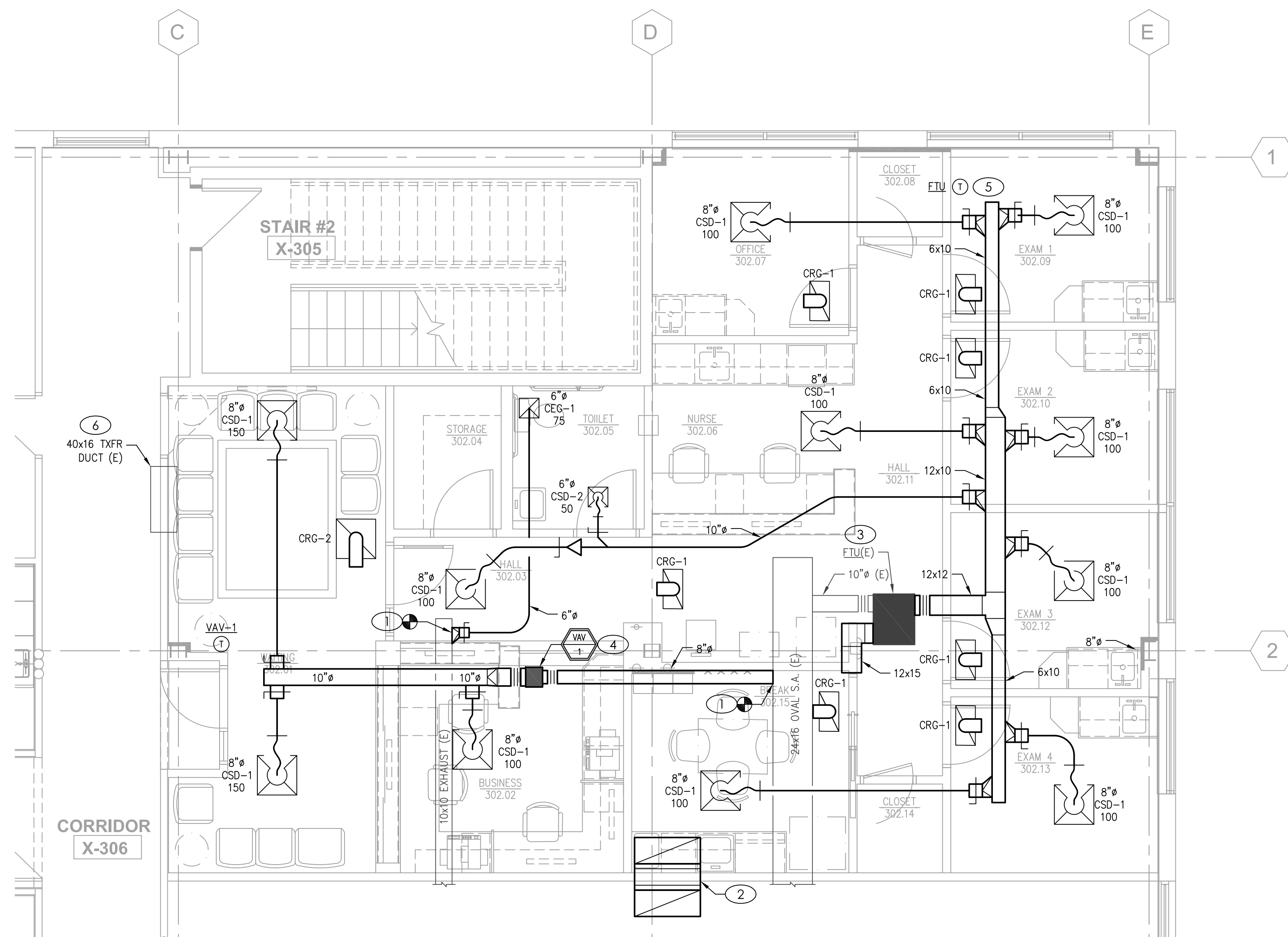


- A. DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- B. COORDINATE INSTALLATION OF MECHANICAL AND PLUMBING SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION AND AVOID CONFLICTS. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. VERIFY DUCT SPACE AVAILABLE ABOVE ALL CEILINGS PRIOR TO ANY FABRICATION OF INSTALLATION.
- C. NEW MECHANICAL EQUIPMENT, DUCTWORK AND PIPING ARE SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL DUCTWORK AND PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE DUCTWORK AND PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AROUND EQUIPMENT.
- D. BRANCH DUCTWORK SHALL BE THE SAME SIZE AS NECK SIZE SHOWN UNLESS OTHERWISE NOTED.
- E. REFER TO SPECIFICATIONS FOR DUCTWORK AND PIPING INSTALLATION REQUIREMENTS. DUCT SIZES ON MECHANICAL PLANS ARE INDICATED CLEAR INSIDE AIRFLOW DIMENSIONS. INCREASE STEEL METAL SIZES ACCORDINGLY TO ACCOUNT FOR THICKNESS OF DUCT LINER.
- F. THE MECHANICAL SYSTEM DESIGN IS BASED IN PART ON THE SPECIFIED HVAC EQUIPMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE ELECTRICAL REQUIREMENTS OF THE HVAC EQUIPMENT BEING FURNISHED. ANY CHANGES TO THE ELECTRICAL SYSTEM DUE TO HVAC EQUIPMENT OTHER THAN THE SPECIFIED EQUIPMENT BEING FURNISHED SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

1. CONNECT NEW EXHAUST TAP TO EXISTING EXHAUST DUCTWORK WITH DAMPER. BALANCE TO CFM SHOWN.
2. PROVIDE 40x16 TRANSFER DUCT ABOVE DROP CEILING. TURN UP ON BOTH SIDES OF THE WALL. LINE INSIDE OF DUCT WITH 1/2" ACOUSTIC LINER PER SPECIFICATIONS.
3. EXISTING FAN POWERED TERMINAL UNIT. PROVIDE NEW SUPPLY AND RETURN DUCTWORK AS SHOWN.
4. PROVIDE NEW VAV TERMINAL UNIT AS SCHEDULED. MECHANICAL CONTRACTOR SHALL INCLUDE ALL COSTS AND COORDINATION EFFORTS TO CONNECT NEW VAV BOX TO EXISTING BUILDING AUTOMATION SYSTEM.
5. RELOCATE EXISTING THERMOSTAT. MOUNT AT 54" AFF.
6. EXISTING TRANSFER DUCT TO REMAIN.

SINGLE DUCT VAV TERMINAL UNIT SCHEDULE																
TAG	AREA SERVED	MANUFACTURER	MODEL	DUCT SIZE		CFM			ELECTRIC HEAT COIL			SINGLE POINT ELECTRICAL			NOTES	
				INLET	OUTLET	DESIGN	MAX	MIN	KW	EAT (°F)	LAT (°F)	STEPS	V/PH	MCA		MOCp
VAV-1	WAITING	JCI	TSS-8-EH	8	11x9	400	1000	105	1	55	62.9	TWO	277/1	3.6	15	1,2,3,4
FTU	OFFICES	PRICE	FDV-5-2010	8	14x12	850	--	--	7.5	55	82.8	TWO	480/3	12.7	15	5
NOTES:																
1. PROVIDE WITH NON-FUSED DISCONNECT SWITCH AND SINGLE POINT POWER CONNECTION.																
2. PROVIDE FILTER RACK AND FILTER.																
3. PROVIDE DISCHARGE AIR TEMPERATURE SENSOR, FACTORY MOUNTED AND COMMISSIONED CONTROLS AND SPACE TEMPERATURE SENSOR WITH OCCUPANT OVERRIDE.																
4. CONNECT TO EXISTING JCI DDC CONTROL INTERFACE.																
5. EXISTING TO REMAIN.																

DIFFUSER, REGISTER AND GRILLE SCHEDULE							
MARK	MANUFACTURER	MODEL	FACE TYPE	MOUNTING TYPE	FACE SIZE (IN.)	MAX NC	NOTES
SUPPLY							
CSD-1	TITUS	OMNI	PLAQUE FACE	LAY-IN	24x24	25	A,B,C
CSD-2	TITUS	OMNI	PLAQUE FACE	SURFACE	12x12	25	A,B,C
RETURN							
CRG-1	TITUS	PAR	PERFORATED	LAY-IN	12x24	25	A,B,C,D,E
CRG-2	TITUS	PAR	PERFORATED	LAY-IN	24x24	25	A,B,C,D,E
EXHAUST							
CEG-1	TITUS	PAR	PERFORATED	SURFACE	12x12	25	A,B,C,D
NOTES:							
A. BAKED SIZE SHOWN ON DRAWINGS.							
B. BAKED ENAMEL FINISH, WHITE							
C. FRAME TYPE TO MATCH CEILING CONSTRUCTION, COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLAN.							
D. PAINT THE INSIDE OF CANS FLAT BLACK.							
E. PROVIDE TITUS FLEXABOOT.							



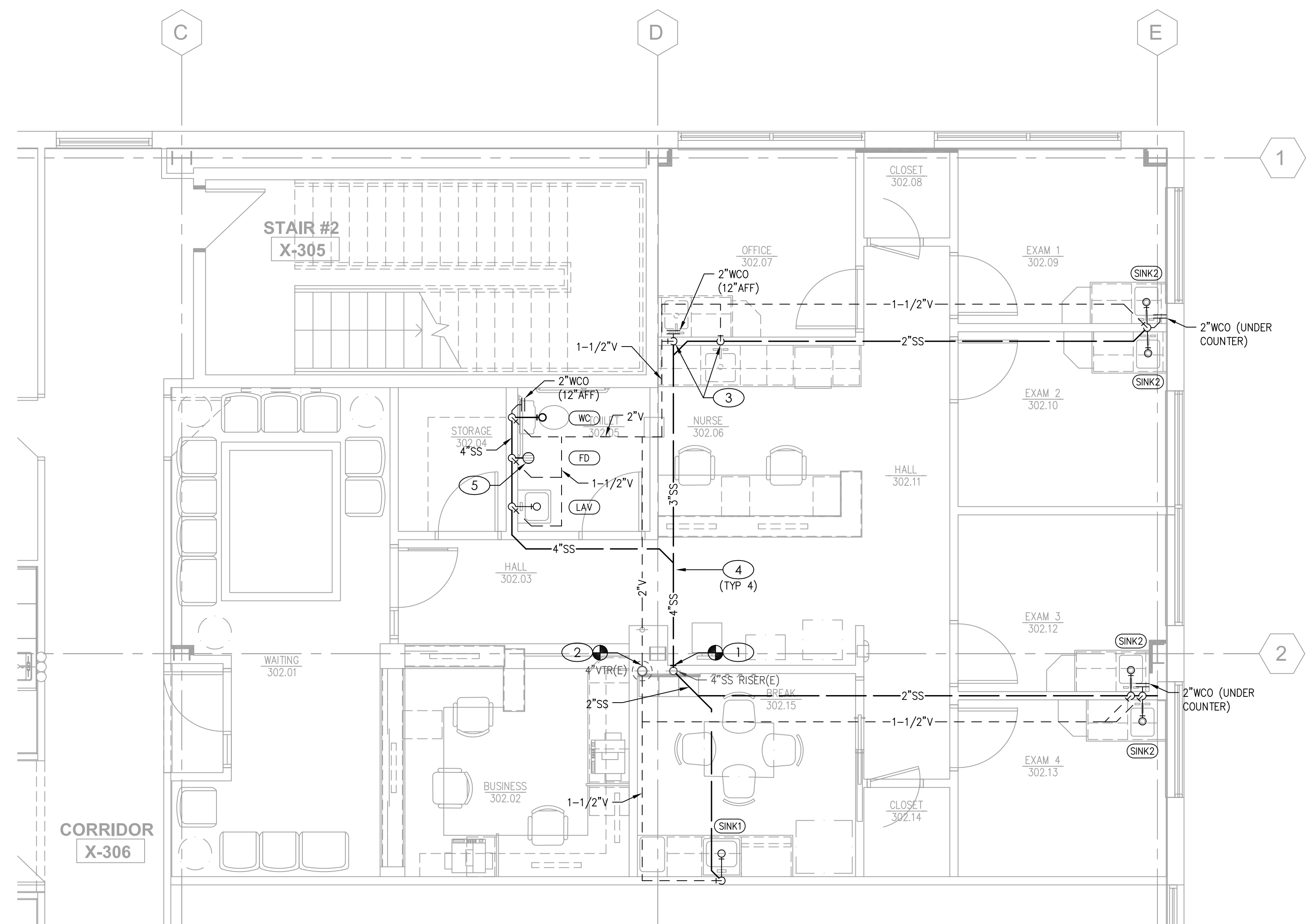
## MECHANICAL PLAN

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




1. CONNECT NEW SS TO EXISTING SANITARY RISER. VERIFY SIZE, LOCATION, AND INVERT ELEVATION PRIOR TO START OF WORK.
2. CONNECT 2" VENT PIPE TO EXISTING VENT STACK GOING TO EXISTING 4"VTR.
3. PROVIDE 2"SS AND 1-1/2"V TO FUTURE SINK LOCATION. CAP AND CONCEAL IN WALL.
4. SANITARY PIPING TO BE ROUTED IN CEILING OF SPACE BELOW. COORDINATE REQUIRED SEQUENCE OF WORK WITH BUILDING OWNER PRIOR TO BID AND CONSTRUCTION.
5. LOCATE FLOOR DRAIN NEAR WALL IN ORDER TO ACCEPT WATER HEATER DRAIN FROM ABOVE.

PLUMBING FIXTURE SCHEDULE	
FD	FLOOR DRAIN: SOQUI CHIEF 842-3PNR, FLOOR DRAIN, PVC BODY AND CLAMPING COLLAR, ADJUSTABLE 5-1/2" ROUND NICKEL BRONZE STRAINER. PROVIDE WITH TAP FOR TRAP PRIMER.
IMB	ICE MAKER OUTLET BOX: WATER TIE AB9702 OUTLET BOX WITH 1/4 TURN VALVES, 1/2" CW PEX CONNECTION AND WATER HAMMER ARRESTOR.
LAV	HANDICAP ACCESSIBLE WALL MOUNT LAVATORY WITH CARRIER, PROFLO MODEL PF5411WH, VITREOUS CHINA, WHITE, SELF-RIMMING COUNTER TOP, PROFLOW PFW53006 ADA COMPLIANT FAUCET, SS FLEX SUPPLY RISERS WITH CHROME PLATED STOP VALVES, P-TRAP WITH CLEANOUT AND ESCUTCHEONS. INSULATE WITH "HANDI-LAV-GLUARD" MODEL 102, OR EQUAL.
SINK1	DROP-IN SINK: PROFLO PFSR252271A, RECTANGULAR BOWL, 25"x22"x7", SELF RIMMING, 20 GAUGE SS, WITH FAUCET (PROFLO PFPC3101CP). PROVIDE FLEXIBLE SS RISERS WITH CHROME PLATED STOP VALVES, P-TRAP WITH CLEANOUT AND ESCUTCHEONS.
SINK2	DROP-IN SINK: PROFLO PFSR171961, RECTANGULAR BOWL, 17"x19"x6", SELF RIMMING, 22 GAUGE SS, WITH FAUCET (PROFLO PFPC3101CP). PROVIDE FLEXIBLE SS RISERS WITH CHROME PLATED STOP VALVES, P-TRAP WITH CLEANOUT AND ESCUTCHEONS.
WC	FLOOR-MOUNTED ADA WATER CLOSET: KOHLER K-3519-TR, HANDICAP ACCESSIBLE, VITREOUS CHINA, 1.0 GPF, ELONGATED BOWL, FLOOR MOUNTED W/ 17.125" SEAT HEIGHT, WHITE, VITREOUS CHINA TANK AND COVER CONTAINING FLUSHMATE/TANK WITH BUILT-IN PRESSURE REGULATOR AND BACKFLOW PREVENTER, WHITE OPEN-FRONT SEAT, CHROME STOPS, C.P. FLEXIBLE RISER TUBE, BOLT CAPS, AND ESCUTCHEON. LOCATE FLUSH CONTROL ON THE OPEN SIDE OF THE WATER CLOSET.
WH	ELECTRIC WATER HEATER: AO SMITH MODEL DEL-10, 10 GALLON, 3/4 CONNECTIONS, 20 GPH @ 90° F RISE, 277V/1PH, DUAL 4500W ELEMENT, NON-SIMULTANEOUS: 4500W TOTAL DRAW.



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





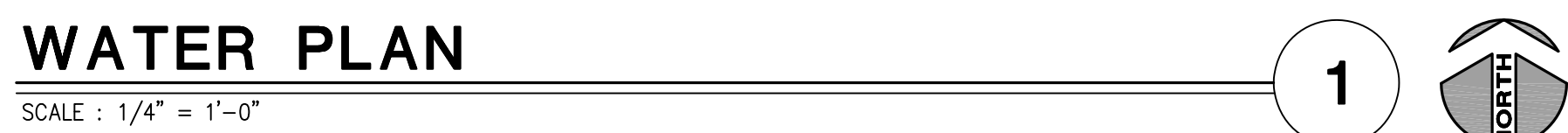
**JSC**  
**ENGINEERS**

This drawing has been provided as an instrument of service by the architect, or his firm, to the owner for the owner's use under his supervision and is intended for use on this project only. Pursuant to the Architectural Works Copyright Protection Act of 1990, all drawings, specifications, ideas and designs, including the overall form, arrangement and composition of spaces and elements appearing herein, constitute the original, copyrighted work of the Designer/Architect. Any reproduction, use, or disclosure of information contained herein without prior written consent of the Architect is strictly prohibited.

© COPYRIGHT 2020 GUY HARRISON ARCHITECTS

[illegible]

P2



- A. DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE GENERAL SCOPE OF WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- B. COORDINATE INSTALLATION OF MECHANICAL AND PLUMBING SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION AND AVOID CONFLICTS. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. VERIFY DUCT SPACE AVAILABLE ABOVE ALL CEILINGS PRIOR TO ANY FABRICATION OF INSTALLATION.
- C. NEW MECHANICAL EQUIPMENT, DUCTWORK AND PIPING ARE SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL DUCTWORK AND PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE DUCTWORK AND PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AROUND EQUIPMENT.
- D. OVERHEAD HANGERS AND SUPPORTS FOR EQUIPMENT, DUCTWORK AND PIPING SHALL BE FASTENED TO BUILDING JOISTS OR BEAMS. DO NOT ATTACH HANGERS AND SUPPORTS TO THE ABOVE FLOOR SLAB OR ROOF.
- E. PROVIDE THE GC WITH A COPY OF THE INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND STATE INSPECTIONS.
- F. EXACT LOCATION AND ELEVATIONS OF ALL EXISTING UTILITIES SHALL BE VERIFIED PRIOR TO ANY INSTALLATION OR CONNECTIONS THEREOF. ALL CONNECTIONS TO EXISTING UTILITIES (IE: WATER, SEWER & GAS) SHALL BE MADE WITH APPROVAL OF THE ADMINISTRATIVE AUTHORITY AND THE RESPECTIVE UTILITY COMPANY.
- G. REFER TO PLUMBING FIXTURE SCHEDULE FOR MINIMUM BRANCH WASTE AND VENT PIPE SIZING.

1. CONNECT NEW 1-1/2" CW PIPING TO EXISTING 1-1/2" DOMESTIC WATER TRAP IN TENANT SPACE.
2. WATER HEATER LOCATED ABOVE CEILING. ROUTE 3/4" HW & 3/4" CW TO WATER HEATER. PROVIDE 3/4" T&P RELIEF AND 3/4" CONTAINMENT PAN DRAINS FROM WATER HEATER TO FLOOR DRAIN IN RESTROOM. DISCHARGE INTO SINK GAP. SEE WATER HEATER DETAIL ON THIS SHEET FOR ADDITIONAL REQUIRED COMPONENTS AND INSTALLATION INSTRUCTIONS.
3. PROVIDE 1/2" HW & 1/2" CW DOWN IN WALL TO LAV. PROVIDE THERMOSTATIC MIXING VALVE FOR FIXTURE EQUAL TO LEONARDO MODEL 170. SET HW SUPPLY WATER TEMPERATURE TO 110°F.
4. 1/2" CW DOWN IN WALL TO WATER CLOSET.
5. 1/2" HW AND 1/2" CW DOWN IN WALL TO SINK.
6. 1/2" CW DOWN IN WALL TO ICE MAKER BOX.
7. 3/4" HW AND 3/4" CW DOWN TO BACK-TO-BACK FIXTURES. PROVIDE 1/2" HW AND 1/2" CW TO EACH FIXTURE.
8. 1/2" HW AND 1/2" CW DOWN TO FUTURE SINK LOCATION. CAP PIPES AND CONCEAL IN WALL.
9. 1/2" CW DOWN TO TRAP PRIMER THEN CONTINUED TO CONNECTION AT FLOOR DRAIN. WATTS LFTPS300 TRAP PRIMER, OR EQUAL. PROVIDE ACCESS PANEL.







**JSC**  
**ENGINEERS**

This drawing has been provided as an instrument of service by the architect, or under his supervision and is intended for use on this project only. Pursuant to the Architectural Works Copyright Protection Act of 1990, all drawings, specifications, ideas and designs, including the overall form, arrangement and composition of spaces and elements appearing herein, constitute the architect's copyrightable work. The Design Architect hereby represents that the use or disclosure of information contained herein without prior written consent of the Architect is strictly prohibited.

©COPYRIGHT 2020 GUY  
GROWBRIGHT ARCHITECTS P.C.

REV#	DATE	DESCRIPTION

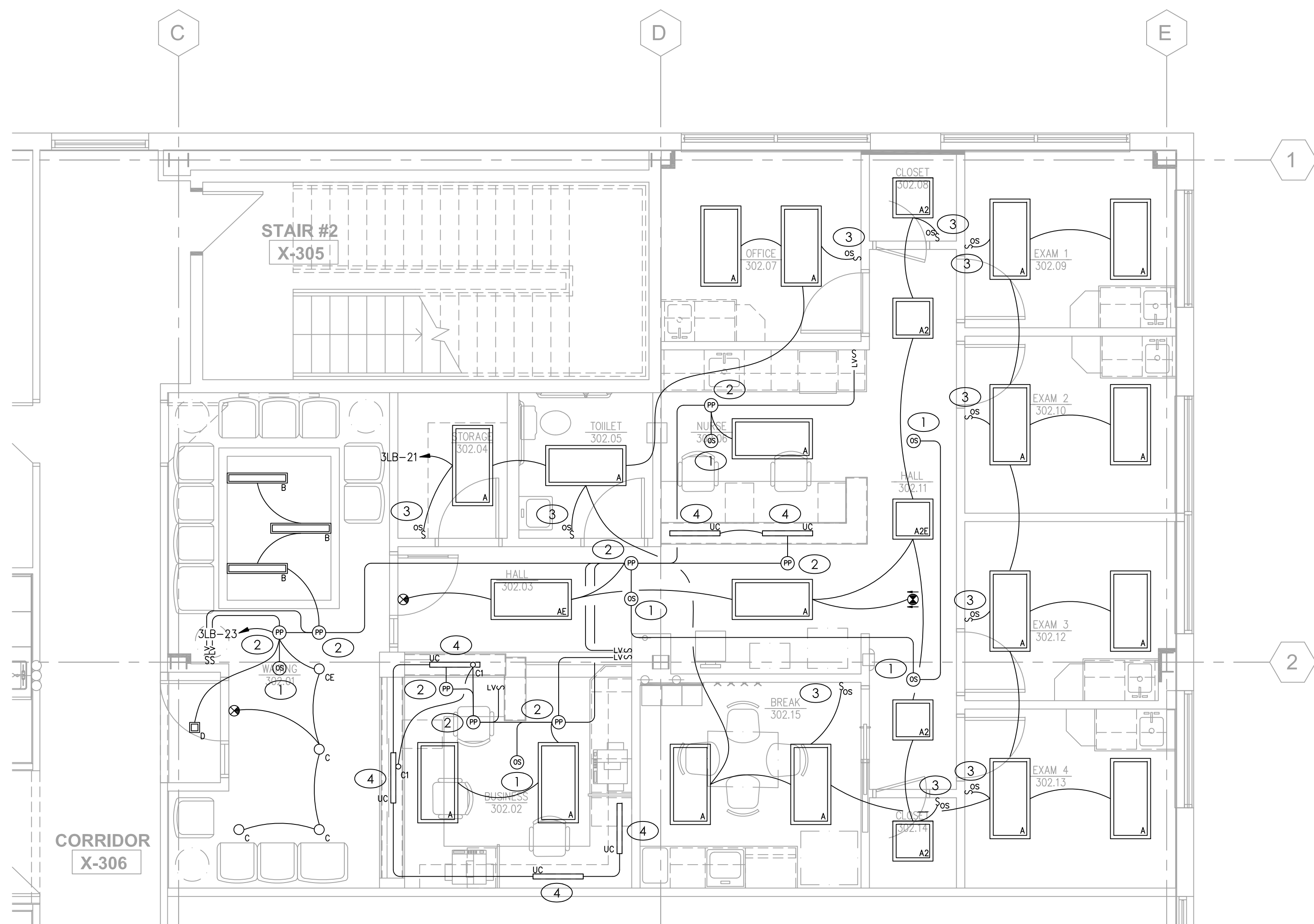
DATE: 12-18-2020

PROJECT# 20-271

## E2

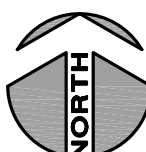
- A. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS OR FIELD MEASUREMENTS FOR DIMENSIONS.
- B. ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70) AND ALL LOCAL BUILDING CODES AND AMENDMENTS.
- C. ALL ROOF AND WALL PENETRATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. PROVIDE ALL REQUIRED SLEEVES, FLASHINGS, CURBS, REINFORCED ANGLES, SUPPORTING FRAMES, ETC. UNLESS THEY ARE SPECIFICALLY CALLED OUT TO BE FURNISHED BY OTHERS.
- D. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACE AVAILABLE, AND WITHOUT INTERFERENCES.
- E. THIS CONTRACTOR SHALL PERFORM ALL WORK INDICATED AND/OR AS REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE ELECTRICAL SYSTEMS.
- F. PROVIDE CONSTANT UNSWITCHED HOT LEG TO ALL LIGHTS WITH EMERGENCY BATTERY PACKS AND ALL OUTDOOR SCONES.
- G. THE ELECTRICAL SYSTEM DESIGN IS BASED IN PART ON THE SPECIFIED HVAC EQUIPMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL HVAC EQUIPMENT BEING FURNISHED. ANY CHANGES TO THE ELECTRICAL SYSTEM DUE TO HVAC EQUIPMENT SUBSTITUTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- H. ALL WIRING SHALL BE IN APPROVED RACEWAY.
- I. WIRE SIZE SHALL BE MINIMUM #12 AWG, THWN SOLID COPPER UNLESS OTHERWISE NOTED. PROVIDE GROUND WIRE WHERE REQUIRED BY CODE. INCREASE WIRE SIZE TO COMPENSATE FOR VOLTAGE DROP WHERE TOTAL LENGTH OF ANY BRANCH EXCEEDS 100 FEET.
- J. MAXIMUM NUMBER OF UNGROUNDED WIRES IN ANY CONDUIT SHALL BE THREE. ADDITIONAL WIRES ARE ACCEPTABLE IF WIRE SIZE IS INCREASED TO ALLOW FOR DERATING PER CODE. PROVIDE ADDITIONAL WIRES FOR SWITCHING AS REQUIRED.
- K. FIRE ALARM, AUDIO/VIDEO AND SURVEILLANCE SYSTEMS BY OTHERS.
- J. ALL CIRCUIT NUMBERS SHOWN NEXT TO DEVICES ARE ASSOCIATED WITH THE HOMERUN SHOWN AT A NEARBY DEVICE AND SHALL TERMINATE AT THE DESIGNATED PANELBOARD CIRCUIT BREAKER.
- K. EC TO PROVIDE AND INSTALL RECEPTACLES, CAPS, AND CORDS AS REQUIRED. CAPS AND CORDS ARE TO BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.
- L. ALL ELECTRICAL WIRING, CONDUITS, AND CABLEING IN PATIENT CARE AREAS (INCLUDING, BUT NOT LIMITED TO, "EXAM" AND "OFFICE" ROOMS) ARE TO BE MEDICAL GRADE PER NEC REQUIREMENTS.
- M. ELECTRICAL PANELBOARDS EXIST ROUGHLY 50' SOUTH OF SOUTHEAST CORNER OF SCOPE AREA ON OPPOSITE SIDE OF CORRIDOR X-306 IN ELEC (COMMUNICATIONS) 309 ROOM.

1. CEILING MOUNTED OCCUPANCY SENSOR - WATTSTOPPER DT-300 SERIES OR PRE-BID APPROVED EQUAL. INSTALL AND MAKE ALL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS TO MAKE COMPLETE SYSTEM ACCORDING TO DESIGN INTENT.
2. LIGHTING CONTROLS POWER PACK - WATTSTOPPER BZ-150 OR PRE-BID APPROVED EQUAL. INSTALL AND MAKE ALL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS TO MAKE COMPLETE SYSTEM ACCORDING TO DESIGN INTENT.
3. WALL SWITCH OCCUPANCY SENSOR - WATTSTOPPER PW-100 SERIES OR PRE-BID APPROVED EQUAL. INSTALL AND MAKE ALL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS TO MAKE COMPLETE SYSTEM ACCORDING TO DESIGN INTENT.
4. UNDERCABINET LIGHT FIXTURES. PROVIDE DRIVERS AS NECESSARY. INSTALL AND MAKE ALL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS TO MAKE COMPLETE SYSTEM ACCORDING TO DESIGN INTENT. COORDINATE EXACT SIZE, LOCATION, AND MOUNTING STYLE WITH ARCHITECT PRIOR TO CONSTRUCTION.



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

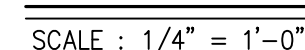
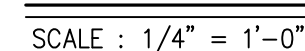
1





- A. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. REFER TO ARCHITECTURAL PLANS FOR FIELD MEASUREMENTS FOR DIMENSIONS.
- B. ALL WORK SHALL COMPLY WITH THE LATEST ADOPTED EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70) AND ALL LOCAL BUILDING CODES AND AMENDMENTS.
- C. ALL ROOF AND WALL PENETRATIONS SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR. PROVIDE ALL REQUIRED SLEEVES, FLASHINGS, CURBS, REINFORCED ANGLES, SUPPORTING FRAMES, ETC. UNLESS THEY ARE SPECIFICALLY CALLED OUT TO BE FURNISHED BY OTHERS.
- D. COORDINATE ALL WORK WITH OTHER TRADES AND EXISTING CONDITIONS AS REQUIRED TO PROPERLY INSTALL ALL SYSTEMS AS INTENDED, WITHIN THE CONFINES OF THE SPACE AVAILABLE, AND WITHOUT INTERFERENCES.
- E. THIS CONTRACTOR SHALL PERFORM ALL WORK INDICATED AND/OR AS REQUIRED FOR THE PROPER INSTALLATION AND OPERATION OF THE ELECTRICAL SYSTEMS.
- F. PROVIDE CONSTANT UNSWITCHED HOT LEG TO ALL LIGHTS WITH EMERGENCY BATTERY PACKS AND ALL OUTDOOR SCENES.
- G. THE ELECTRICAL SYSTEM DESIGN IS BASED IN PART ON THE SPECIFIED HVAC EQUIPMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS OF ALL HVAC EQUIPMENT BEING FURNISHED. ANY CHANGES TO THE ELECTRICAL SYSTEM DUE TO HVAC EQUIPMENT SUBSTITUTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
- H. ALL WIRING SHALL BE IN APPROVED RACEWAY.
- I. WIRE SIZE SHALL BE MINIMUM #12 AWG, THWN SOLID COPPER UNLESS OTHERWISE NOTED. PROVIDE GROUND WIRE WHERE REQUIRED BY CODE. INCREASE WIRE SIZE TO COMPENSATE FOR VOLTAGE DROP WHERE TOTAL LENGTH OF ANY BRANCH EXCEEDS 100 FEET.
- J. MAXIMUM NUMBER OF UNGROUNDED WIRES IN ANY CONDUIT SHALL BE THREE. ADDITIONAL WIRES ARE ACCEPTABLE IF WIRE SIZE IS INCREASED TO ALLOW FOR DERATING PER CODE. PROVIDE ADDITIONAL WIRES FOR SWITCHING AS REQUIRED.
- K. FIRE ALARM, AUDIO/VIDEO AND SURVEILLANCE SYSTEMS BY OTHERS.
- J. ALL CIRCUIT NUMBERS SHOWN NEXT TO DEVICES ARE ASSOCIATED WITH THE HOMERUN SHOWN AT A NEARBY DEVICE AND SHALL TERMINATE AT THE DESIGNATED PANELBOARD CIRCUIT BREAKER.
- K. EC TO PROVIDE AND INSTALL RECEPTACLES, CAPS, AND CORDS AS REQUIRED. CAPS AND CORDS ARE TO BE INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.
- L. ALL ELECTRICAL WIRING, CONDUITS, AND CABLES IN PATIENT CARE AREAS (INCLUDING, BUT NOT LIMITED TO, "EXAM" AND "OFFICE" ROOMS) ARE TO BE MEDICAL GRADE PER NEC REQUIREMENTS.
- M. ELECTRICAL PANELBOARDS EXIST ROUGHLY 50' SOUTH OF SOUTHEAST CORNER OF SCOPE AREA ON OPPOSITE SIDE OF CORRIDOR X-306 IN ELEC (COMMUNICATIONS) 309 ROOM.

1. RECEPTACLE FOR UNDERCOUNTER REFRIGERATOR, COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO CONSTRUCTION.
2. MAKE CONNECTION TO DIVISION 22/23 EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND NEC REQUIREMENTS, COORDINATE ELECTRICAL CONNECTION WITH DIVISION 22/23 CONTRACTOR PRIOR TO CONSTRUCTION
3. EXISTING FAN-POWERED VAV UNIT TO REMAIN, CONFIRM ALL ELECTRICAL CONNECTIONS ARE MADE PER MANUFACTURER'S RECOMMENDATIONS AND NEC REQUIREMENTS.
4. JUNCTION BOX ABOVE CEILING FOR CONNECTION TO FUTURE DOOR OPERATOR AND/OR ELECTRIC STRIKE, COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO CONSTRUCTION.
5. RECEPTACLE TO BE MOUNTED IN CLOSED CABINET ABOVE MICROWAVE SHELF, COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO CONSTRUCTION.
6. RECEPTACLE TO BE MOUNTED TO STRUCTURE ABOVE CEILING IN PLENUM SPACE ADJACENT TO WATER HEATER TO SERVE DIVISION 22 SENSOR EQUIPMENT, COORDINATE EXACT LOCATION OF RECEPTACLE WITH DIVISION 22 CONTRACTOR PRIOR TO CONSTRUCTION.



E3



PANELBOARD: 3H (EXISTING)										FED FROM: UTILITY										LINE-SIDE LUGS: MECHANICAL EQUIPMENT GROUND BUS									
BUS AMPS: 400A										AIC RATING: 65000 FULLY RATED										SERVES: 3RD FLOOR									
MAIN SIZE/TYPE: MLO										MOUNTING: SURFACE										LOCATION: COMMUNICATIONS 109									
SECTION: 1																													
CKT NO.	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO.	BKR AMP	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE			DESCRIPTION	CKT NO.															
		A	B	C						A	B	C																	
1	PWR - VH	4,500			10	25	1	1	20	EX	1,500			VAV 1-3-3, 1-3-2	2														
3	SPARE				20	1	1	1	20					SPARE	4														
5	PWR - VAV-1			432	12	15	1	1	20					SPARE	6														
7		1,000					1	1			1,000				8														
9	FPB 3-8		1,000		EX	15	1	1	15	EX		1,000		FPB 3-7	10														
11				1,000			1	1					1,000		12														
13		1,000					1	1			1,000				14														
15	FPB 3-6		1,000		EX	15	1	1	15	EX		1,000		FPB 2-3-4	16														
17				1,000			1	1					1,000		18														
19	SPARE						20	1	1	20	EX	1,200		LTG - CORRIDOR/RESTROOM	20														
21	VAV 1-3-3		1,500		EX	20	1	1	20	EX	1,200			LTG - EMERGENCY	22														
23	SPARE						20	1	1				5,000		24														
25	FPB 1-3-3	1,000			EX	15	1	1	175	EX	20,000			T3L	26														
27			1,000				1	1			20,000				28														
29	FPB 3-4			1,000	EX	15	1	1					20,000		30														
31		1,000					1	1	15	EX	1,000			FPB 1-3-1	32														
33	SPARE						20	1	1			1,000			34														
35	SPARE						20	1	1					PROVISIONAL SPACE	36														
37	PROVISIONAL SPACE													PROVISIONAL SPACE	38														
39	PROVISIONAL SPACE													PROVISIONAL SPACE	40														
41	PROVISIONAL SPACE													PROVISIONAL SPACE	42														
SUBTOTAL		8,500	4,500	3,432							25,700	24,200	27,000	SUBTOTAL															
TOTAL PHASE A - VA		34,200	LOAD		CONN. VA		DF		LOAD		CONN. VA		DF																
AMPS		123	COOLING				0		REFRIG				1.00																
TOTAL PHASE B - VA		28,700	HEATING		4,932		1.00		SIGN/DISP				1.25																
AMPS		104	LIGHTING				1.25		KITCHEN				1.00																
TOTAL PHASE C - VA		30,432	RECEPTACLES				1.0/5		EXISTING		88,400		1.00																
AMPS		110	MOTORS				1.00		LRG MOTOR				1.25		TOTAL DEMAND														
TOTAL PNLBD - VA		93,332	SUPP HEAT				1.00		SHOW WNDW				1.25		93,332 VA														
AMPS		112	MSC EQUIP				1.00		LTG TRACK				1.00		112 A														
PANELBOARD NOTES																													
DESCRIPTION IN ITALICS = EXISTING LABELED LOAD TO REMAIN.																													

PANELBOARD: 3LB (EXISTING)										FED FROM: 3H VIA TX										LINE-SIDE LUGS: MECHANICAL EQUIPMENT GROUND BUS									
BUS AMPS: 400A										AIC RATING: 65000 FULLY RATED										SERVES: 3RD FLOOR									
MAIN SIZE/TYPE: 250A MCB										MOUNTING: SURFACE										LOCATION: COMMUNICATIONS 109									
SECTION: 1																													
CKT NO.	DESCRIPTION	VOLTAMPS/PHASE			WIRE NO.	BKR AMP	P	BKR AMP	WIRE NO.	VOLTAMPS/PHASE			DESCRIPTION	CKT NO.															
		A	B	C						A	B	C																	
1	RCPT - EXAM #4	900			EX	20	1	1	20	EX	900		RCPT - NURSE STATION, STOR	2															
3	RCPT - EXAM #5		900		EX	20	1	1	20	EX		900	RCPT - EXAM #3	4															
5	RCPT - PROCEDURE			900	EX	20	1	1	20	EX		900	RCPT - EXAM #6	6															
7	RCPT - NURSE STATION PRINT	900			EX	20	1	1	20	EX	900		RCPT - PROCED. EXAM LTS	8															
9	RCPT - NURSE STATION		900		EX	20	1	1	20	EX		900	LTG - PROCEDURE EXAM	10															
11	RCPT - RECEPT. CK OUT, WAIT			900	EX	20	1	1	20	EX		900	RCPT - NURSE STATION	12															
13	RCPT - REC COPIER	900			EX	20	1	1	20	EX	900		RCPT - STOR. HALL, SOIL/JUAN	14															
15	RCPT - PROCEDURE		900		EX	20	1	1	20	EX		900	RCPT - RECEPTION	16															
17	RCPT - EXAM #1			900	EX	20	1	1	20	EX		900	RCPT - WAITING	18															
19	DCP-1	900			EX	20	1	1	20	EX	900		LTG - PROCEDURE EXAM	20															
21	LTG - OFFICES/EXAMS		400		12	20	1	1	20	EX		900	RCPT - EXAM #2	22															
23	LTG - WAITING/HALL/BUSINESS			400	12	20	1	1	20	12			720	RCPT - BREAK COUNTER	24														
25	RCPT - WAITING GENERAL	900			12	20	1	1	20	12	800		RCPT - BREAK REFRIG	26															
27	RCPT - BUSINESS GEN 1		720		12	20	1	1	20	12		360	RCPT - TOILET GF	28															
29	RCPT - BUSINESS GEN 2			720	12	20	1	1	20	12		720	RCPT - NURSE DESK QUADS	30															
31	RCPT - BUSINESS PRINT 1	500			12	20	1	1	20	12	540		RCPT - OFFICE 7 GEN	32															
33	RCPT - BUSINESS PRINT 2		500		12	20	1	1	20	12		1,080	RCPT - OFFICE 9/10 GEN	34															
35	RCPT - HALL EQUIP 1			500	12	20	1	1	20	12			1,080	RCPT - OFFICE 12/13 GEN	36														
37	RCPT - HALL EQUIP 2	500			12	20	1	1	20					SPARE	38														
39	RCPT - HALL EQUIP 3		500		12	20	1	1	20					SPARE	40														
41	RCPT - HALL/BREAK GEN			1,080	12	20	1	1	20					SPARE	42														
SUBTOTAL		5,500	4,820	5,400											4,940	5,040	5,220	SUBTOTAL											
TOTAL PHASE A - VA		10,440	LOAD		CONN. VA		DF		LOAD		CONN. VA		DF																
AMPS		87	COOLING				1.00		REFRIG				1.00																
TOTAL PHASE B - VA		9,860	HEATING				0		SIGN/DISP				1.25																
AMPS		82	LIGHTING				1.25		KITCHEN				1.00																
TOTAL PHASE C - VA		10,620	RECEPTACLES		11,220		1.0/5		EXISTING		19,700		1.00																
AMPS		89	MOTORS				1.00		LRG MOTOR				1.25																
TOTAL PNLBD - VA		30,920	SUPP HEAT				1.00		SHOW WNDW				1.25																
AMPS		86	MSC EQUIP				1.00		LTG TRACK				1.00																
														TOTAL DEMAND		30,310 VA													
																84 A													
PANELBOARD NOTES																													
DESCRIPTION IN ITALICS = EXISTING LABELED LOAD TO REMAIN.																													