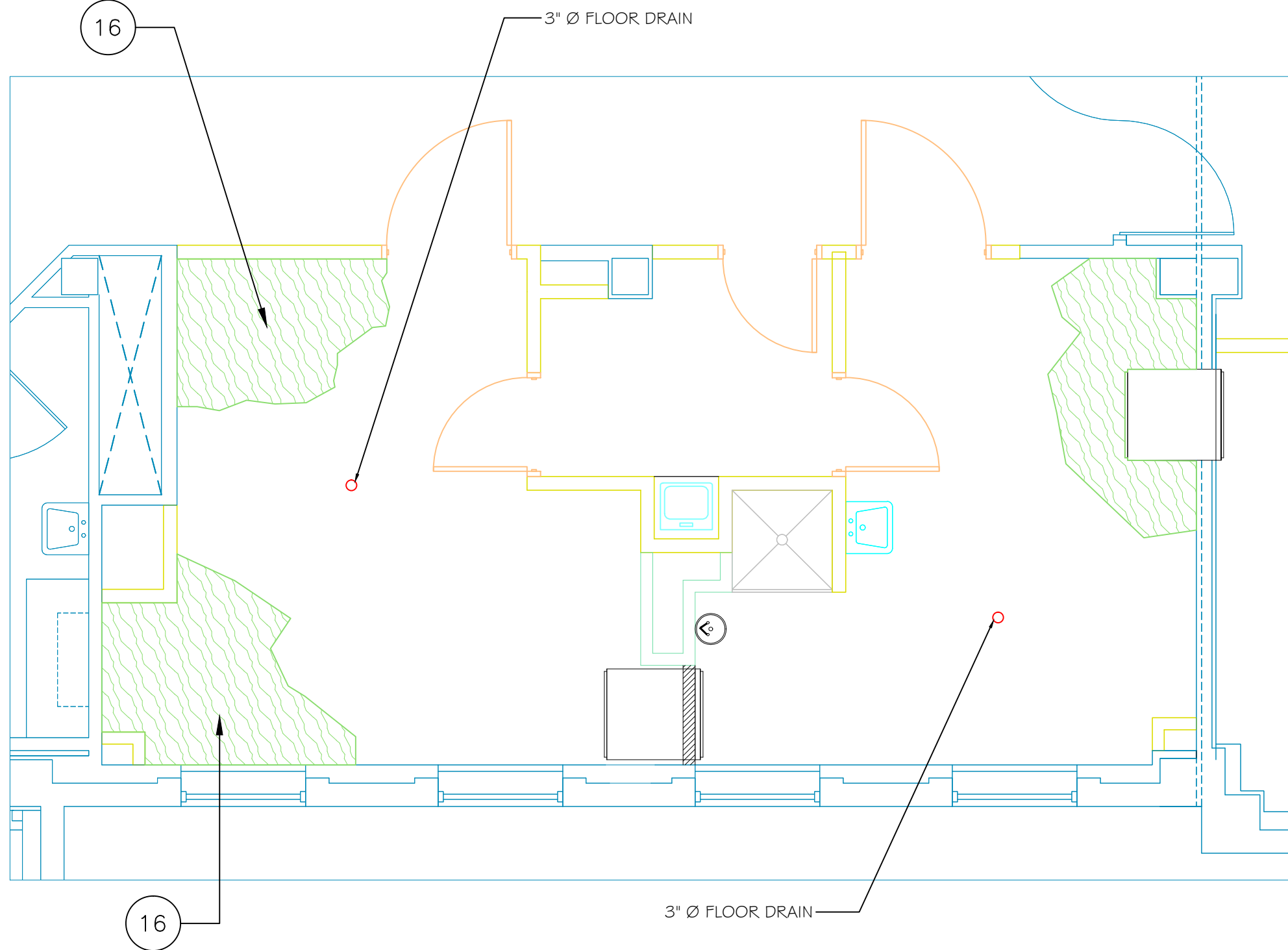


GENERAL WORK NOTES (THIS SHEET):

1. REMOVE EXISTING WALL, FRAME AND DOOR AND DISPOSE OFF STATION.
2. REMOVE EXISTING A.C.T FROM ALL AREAS OF ROOMS 2B-101 AND 2B-104. THIS INCLUDES THE A.C.T.IN SHOWER/TOILET ROOM AREAS.
3. REMOVE ALL G.W.B. WALLS, METAL FRAMES AND DOORS AND DISPOSE OFF STATION THAT ARE INDICATED BY HATCHING AND DASHED LINES.
4. REMOVE SECTION OF WALL AS INDICATED. THIS IS A DUCT AND PIPE CHASE. ALL ITEMS WITHIN THIS SECTION WILL HAVE TO BE RELOCATED. SEE PLUMBING DRAWINGS(SHEET 2).
5. REMOVE EXISTING CERAMIC TILE AND UNDERLAYMENT MATERIAL DOWN TO ORIGINAL DECK AND REPAIR FLOOR BACK WITH FLUSH WITH EXISTING FLOOR ELEVATION.
6. REMOVE ALL SHEET VINYL FLOORING FROM ALL AREA IN ROOMS 2B-101 AND 2B-104.
7. REMOVE CERAMIC TILE FROM WALLS AND DISPOSE OFF STATION.
8. REMOVE METAL HEADWALLS AND STORE FOR REUSE IN ANOTHER PROJECT -THE GI RECOVERY ROOM PROJECT 659-111-531
9. INSTALL NEW S.S. CORNER GUARDS, 4" WIDE X 60" TALL.
10. INSTALL SALVAGED LAVATORY FROM DEMO. REUSE ALL SALVAGED PARTS SUCH AS FAUCET, WALL CARRIERS ETC... SEE PLUMBING PLAN.
11. INSTALL A NEW EYE WASH WITH NEW DRAIN AND SUPPLY LINE. SEE PLUMBING PLAN.
12. PROVIDE AND INSTALL NEW 3/4" G.W.B AND METAL STUDS FOR THE CONSTRUCTION OF NEW WALL AND THE INSTALLATION OF NEW 5' WIDE METAL FRAME WITH 5' WIDE DOUBLE DOORS. NEW DOORS TO HAVE 4" X 25" WIRE REINFORCED GLASS IN EACH DOOR AS PER DETAIL. NEW DOOR TO HAVE ELECTRIC DOOR OPENER AND PUSH PAD ON EACH SIDE OF DOOR AS INDICATED ON PLAN.
13. CUT AND OPENING INTO THE EXISTING FIRE WALL FOR THE INSTALLATION OF A NEW CONTRACTOR PROVIDED TERRA UNIVERSAL PASS THROUGH WINDOW OR EQUAL. WINDOW HAS TO BE FIRE RATED SINCE THIS A FIRE WALL (1 HOUR).
14. INSTALL NEW CEILING GRID AND 3/4" G.W.B FOR NEW CEILING AT THE EXISTING HEIGHT OF REMOVED A.C.T. INSTALL TWO (2) NEW 24" x 24" ACCESS PANELS ON EACH SIDE. LOCATION WILL BE DETERMINED BY COTR PRIOR TO INSTALLING GRID.
15. PAINT ALL WALLS AND CEILING WITH AN EPOXY PAINT. COLOR WILL BE CHOSEN BY VA INTERIOR DESIGNER AFTER RECEIVING SUBMITTALS.
16. INSTALL NEW SHEET FLOORING BY TEKNOFLOR OR EQUAL. COLOR AND STYLE TO BE CHOSEN BY INTERIOR DESIGNER AFTER SUBMITTALS ARE RECEIVED. PREP FLOOR PRIOR TO INSTALLING NEW FLOORING. INSTALL NEW 4" Ø FLOOR DRAIN IN EACH ROOM. PREP FLOOR FOR SLOPE TO DRAINS.
17. INSTALL NEW 3/4" G.W.B. AND METAL STUD WALL AS SHOWN HATCHED. WALL WILL BE CONSTRUCTED TO THE SLAB ABOVE AND SEALED. INSTALL A SECOND PASS THROUGH WINDOW. THIS PASS THROUGH WILL NOT BE REQUIRED TO BE FIRE RATED. INSTALL AT SAME ELEVATION AS THE FIRE RATED ONE.
18. REMOVE DOOR, FRAME AND HARDWARE AND DISPOSE OFF VA PROPERTY.
19. INSTALL NEW METAL STUD AND G.W.B. AND PAINT TO MATCH CORRIDOR WALL. AND INSTALL NEW WOODEN HANDRAIL TO MATCH EXISTING.
20. REMOVE FRAME AND DOOR AND REVERSE SWING OF DOOR.
21. CONSTRUCT NEW METAL STUD AND 3/4" G.W.B. WALL FROM FLOOR TO CEILING. WALL TO BE OFFSET FROM EXISTING WALL TO CREATE A 4"-5" SPACE TO HIDE NEW 4" Ø METAL DUCT THAT WILL BE CONNECTED INTO EXISTING EXHAUST SYSTEM.



FLOORING LAYOUT RMS 2B-101 & 2B-104

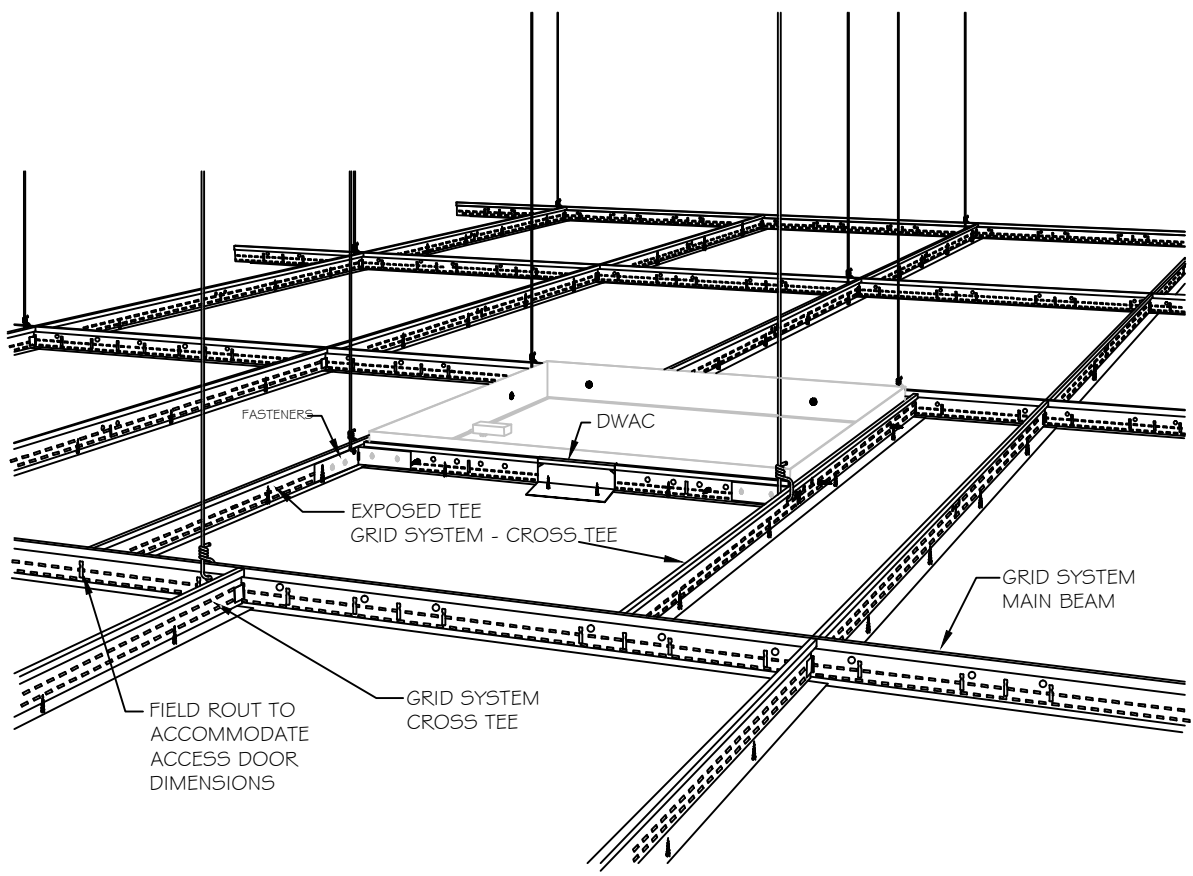
1/4" = 1'-0"

DEMO ROOMS 2B-101 & 2B-104

1/4" = 1'-0"

GENERAL PROJECT NOTES:

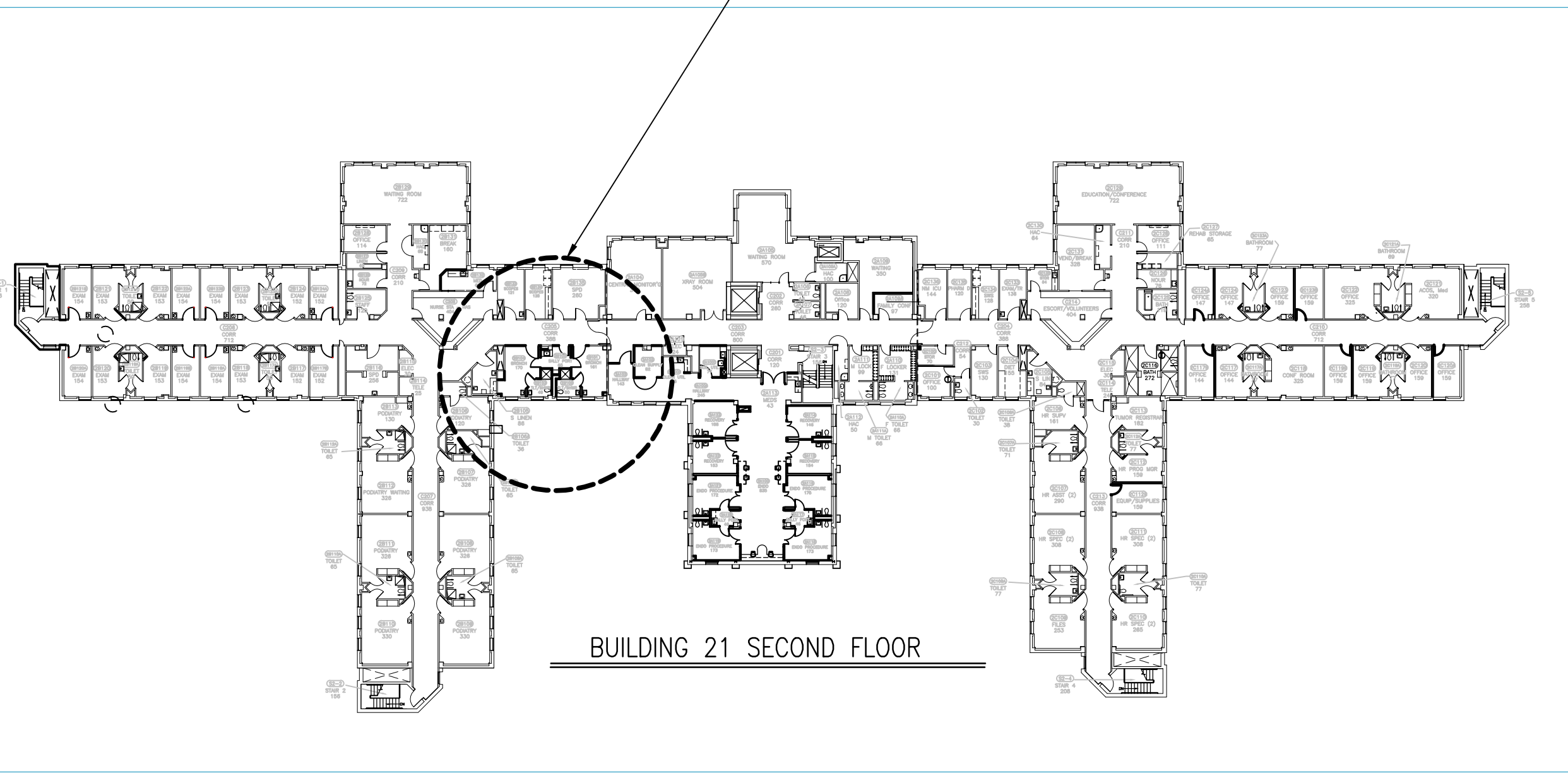
- CONTRACTOR TO VISIT SITE PRIOR TO BIDDING PROJECT TO VERIFY CONDITIONS OF AREA.
- GENERAL CONTRACTOR SHALL CO-ORDINATE THE WORK OF ALL SUB CONTRACTORS WORKING ON PROJECT.
- PROVIDE EFFECTIVE DUST AND DEBRIS CONTROL AS REQUIRED BY SPECIFICATIONS.
- ALL DEBRIS TO BE REMOVED ON A DAILY BASIS AND THE MATERIAL THAT CAN BE RECYCLED AS REQUIRED BY SPECS ARE TO BE RECYCLED.
- ALL CONTRACTORS EMPLOYEES INCLUDING SUB CONTRACTORS ARE TO HAVE ID BADGES ISSUED BY THE VA BEFORE STARTING WORK.



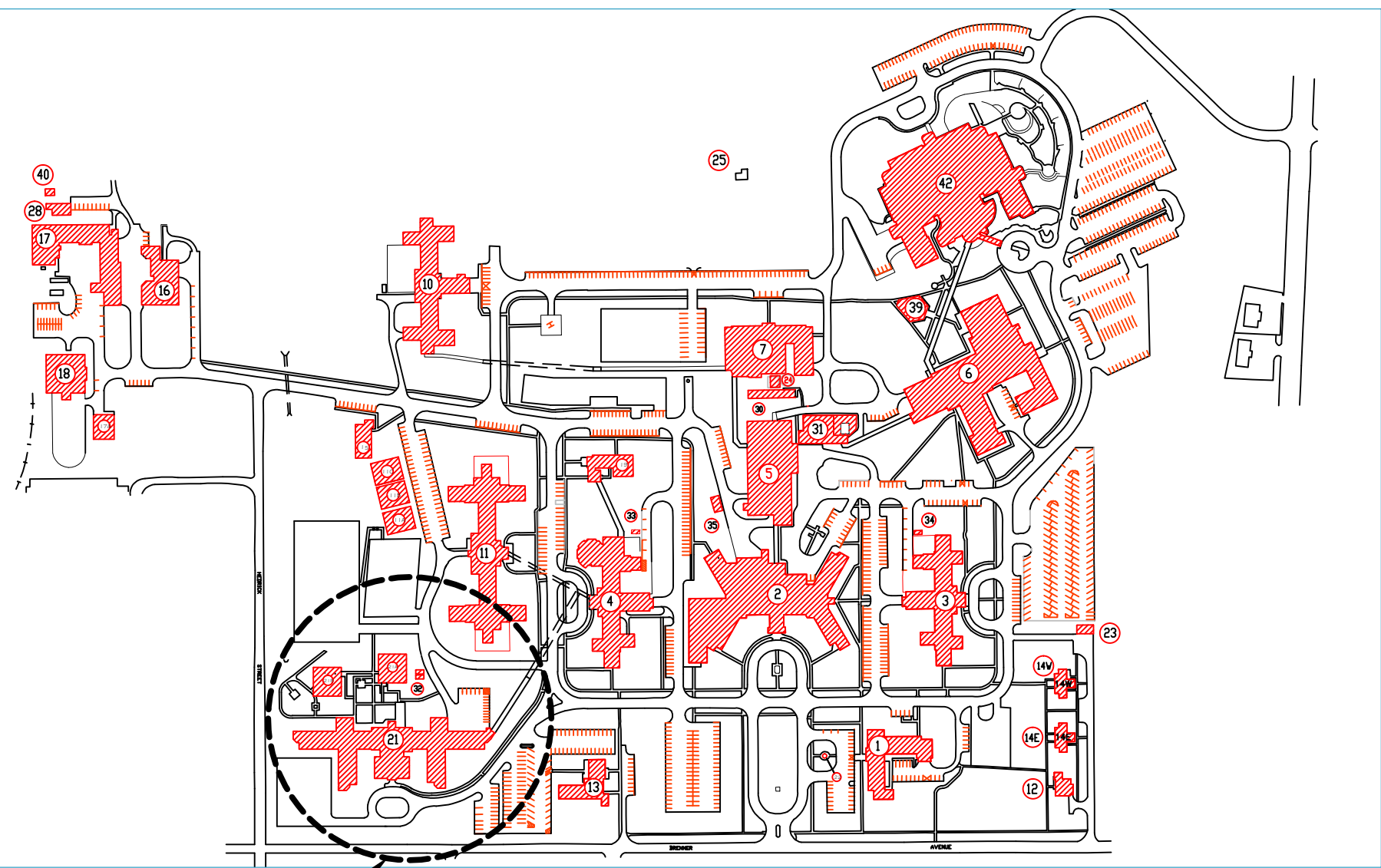
G.W.B. CEILING GRID DETAIL

N.T.S

AREA OF WORK IN B21



BUILDING 21 SECOND FLOOR




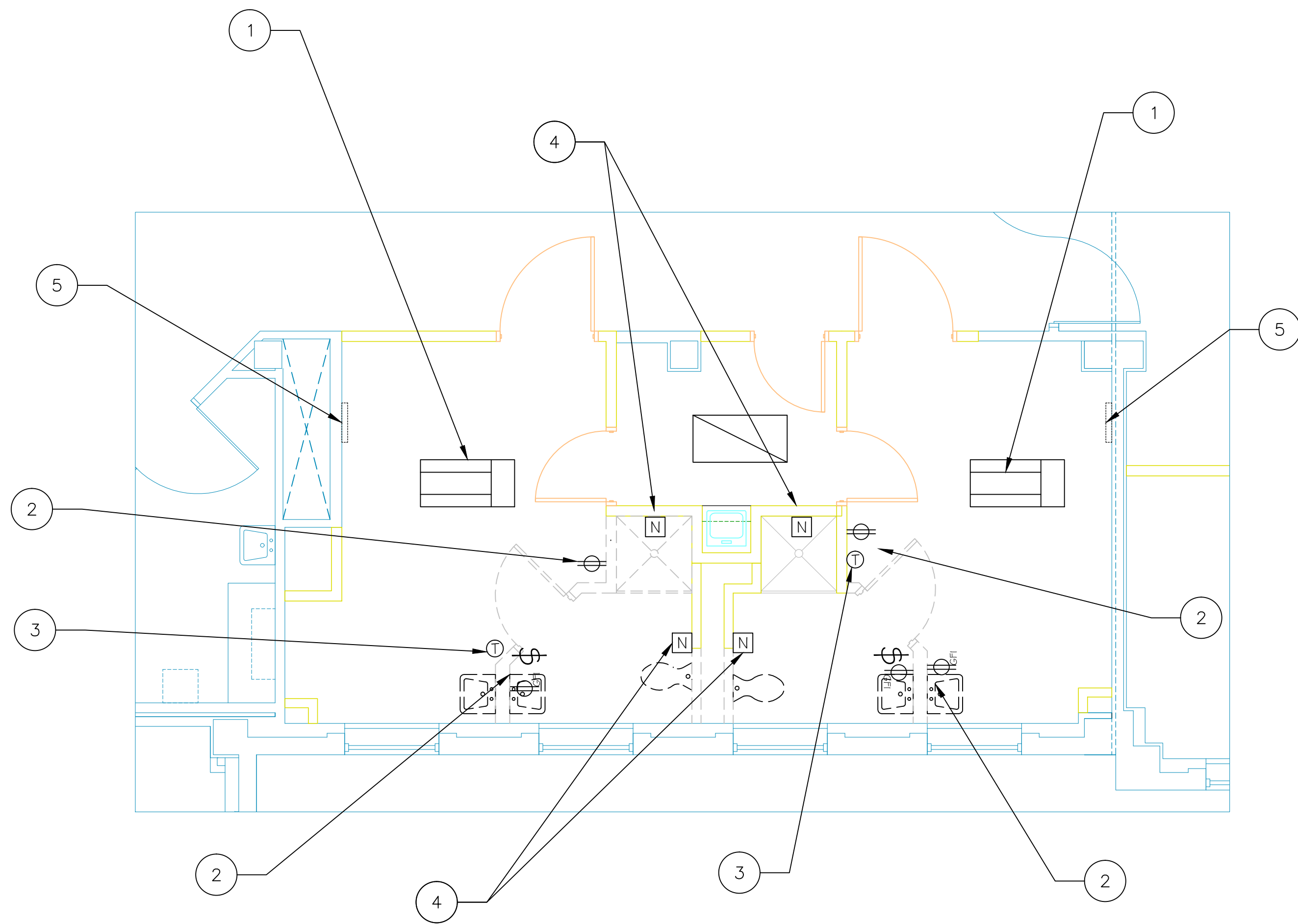
W.G. "Bill" Hefner Medical Center Site Plan

LOCATION OF BUILDING 21

RENOVATION OF ROOMS 2B-101 & 2B-104

1/4" = 1'-0"

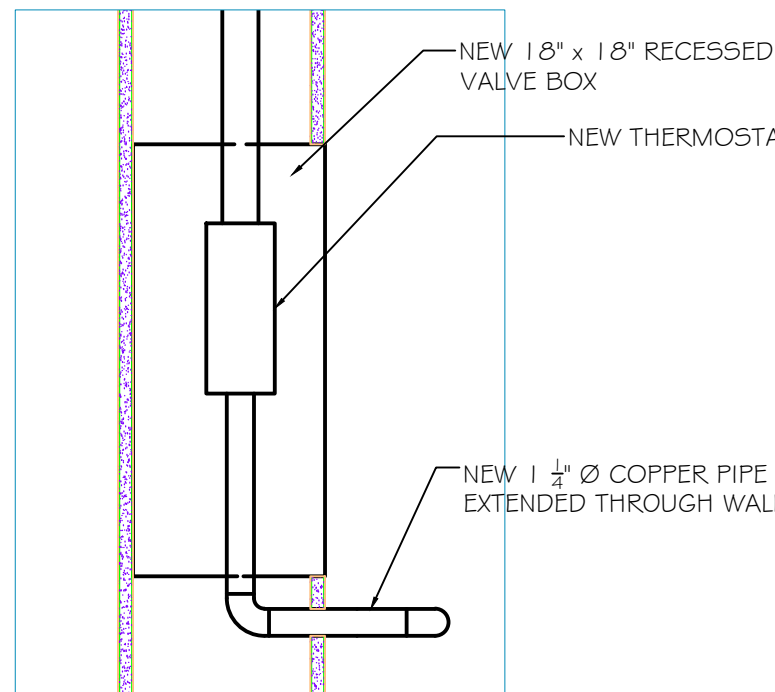
Revision		Date	RECOMMEND APPROVAL				Drawing Title		Project Title		Date				
			REQUESTER	Date	CHIEF OF SERVICE	Date	CHIEF OF STAFF	Date	SALISBURY ENDO CLEAN ROOM B21 2nd FLOOR		12-31-2011				
			ASSOC. DIR. PATIENT CARE SVC.	Date	ASSOC. DIR. for OPERATIONS	Date			Building Number		Checked	Drawn			Project No.
			APPROVAL BY:				Date	Approved: Safety Manager/M&O Supervisor		B21		GLM			659-111-563
			MEDICAL CENTER DIRECTOR					Approved: Chief of Facilities Management Svr.		Location		W.G.(Bill) Hefner Medical Center 1601 Brenner Ave. Salisbury NC 28144			DRAWING NO.
														1	
														DWG. 1 OF 3	



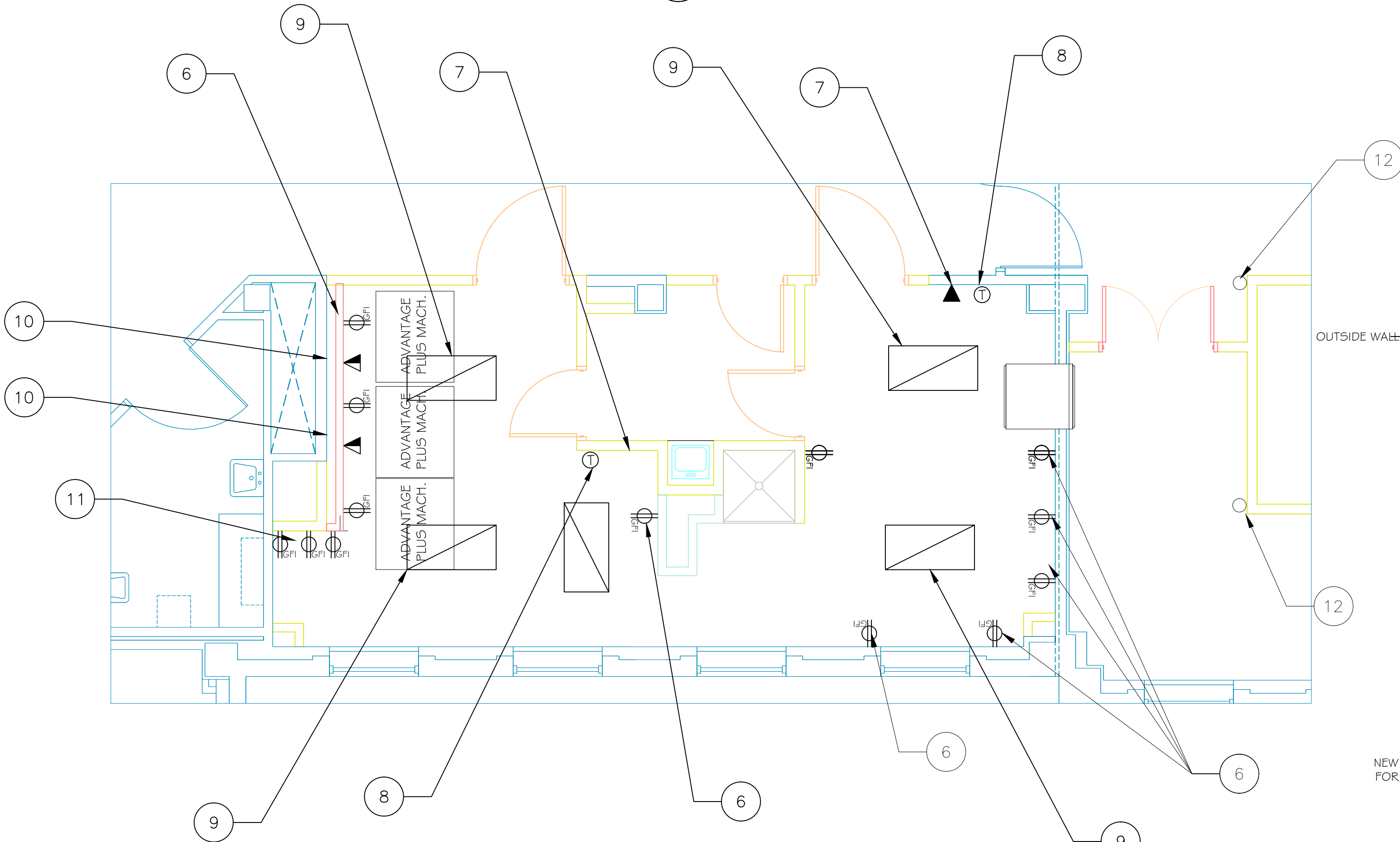
DEMO- ELECTRICAL ROOMS 2B-101 & 2B-104
1/4" = 1'-0"

SPD STAINLESS STEEL SINKS

- THE REQUIREMENTS FOR THE SINKS TO BE PROVIDED BY THE CONTRACTOR IS AS FOLLOWS:
- THE SINK IS TO BE CONSTRUCTED OF 304 S.S. WITH HELIARC WELDED CONSTRUCTION.
 - RAISED 1/2" MARINE EDGE FOR THE RETAINING WATER ON WORK SURFACES.
 - FOUR (4) 1 1/2" x 1/6 GAUGE WALL S.S. TUBULAR LEGS WITH ADJUSTABLE LEVELING LEGS.
 - ALL EXPOSED WELDS ARE TO BE GRIND SMOOTH AND POLISHED TO A #3 FINISH.
 - THE SINK OVERALL DIMS ARE TO BE 30" W x 96" L x 36" H (40" INCLUDES 4" BACKSPASH).
 - TWO (2) SINKS BOTH BEING 22" x 16" x 7 1/2" DEEP.
 - PUSH BUTTON HEIGHT ADJUSTMENT -8" TRAVEL RANGE
 - LEVER HANDLE DRAIN CONTROL IN LIEU OF STANDARD SINK DRAIN.
 - DECK MOUNTED COLD WATER SPRAY RINSE WITH SPRING REINFORCED RISER.
 - UNDER COUNTER SHELF.



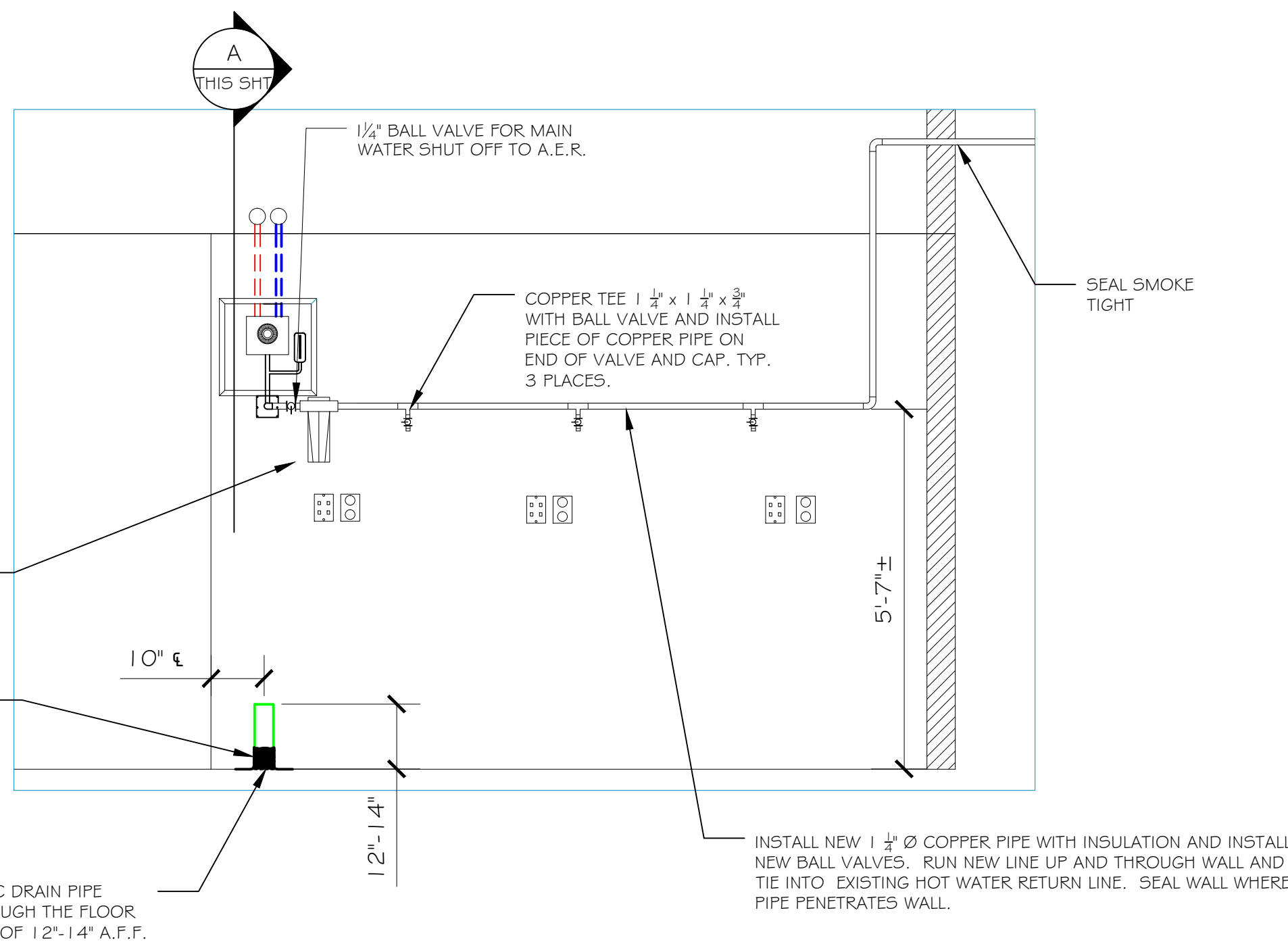
A SECTION OF ACCESS PANEL
1/2" = 1'-0"



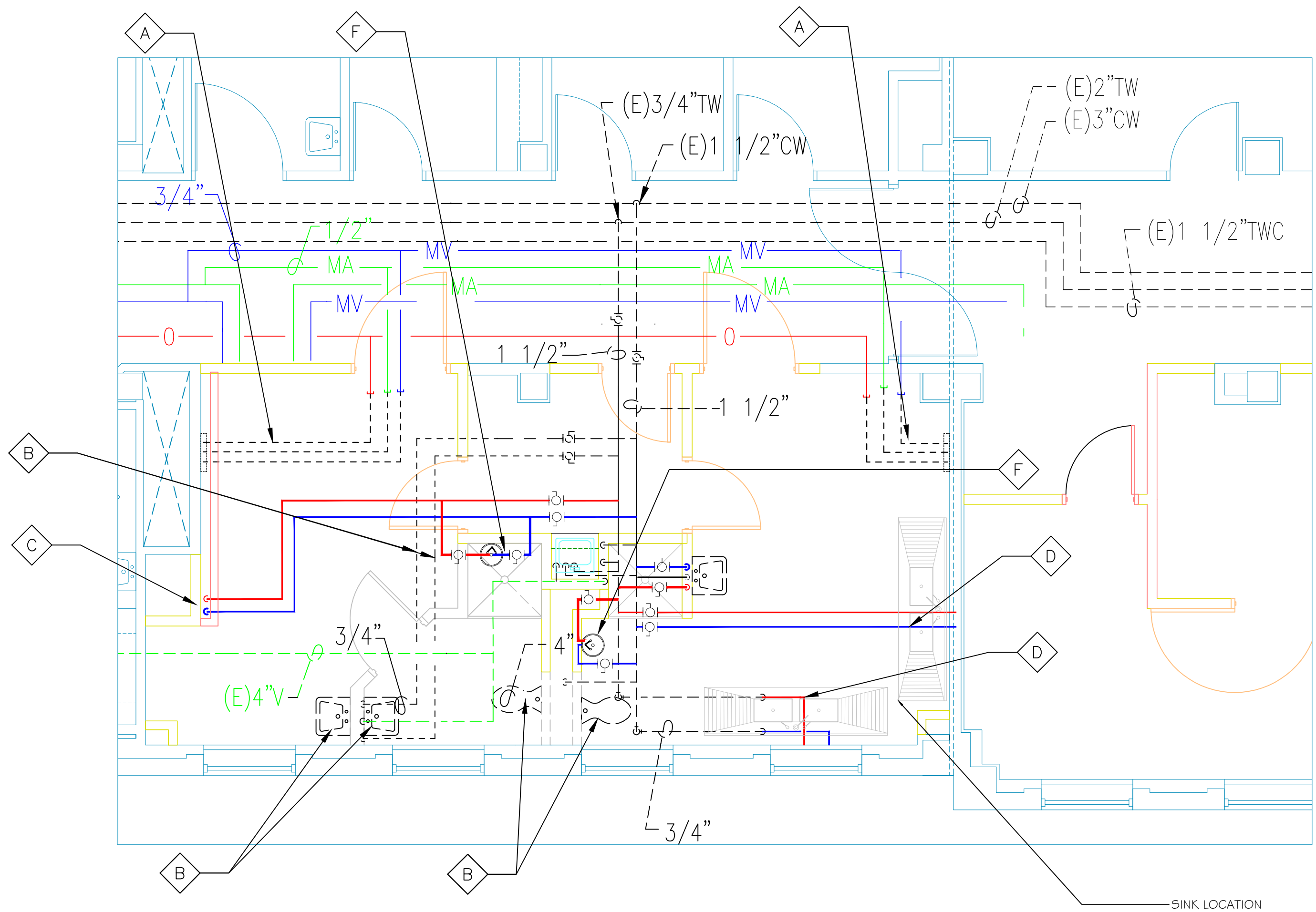
NEW WORK -ELECTRICAL ROOMS 2B-101 & 2B-104
1/4" = 1'-0"

GENERAL ELECTRICAL WORK NOTES:

1. REMOVE EXISTING LIGHT FIXTURES AND DISPOSE OFF STATION.
2. REMOVE ALL RECEPTACLES AND PULL CONDUCTORS BACK TO CLOSET J.B. AND DISCONNECT.
3. REMOVE EXISTING THERMOSTAT FROM WALL AND STORE FOR REINSTALLATION LATER IN PROJECT.
4. REMOVE NURSE CALLS AND TURN OVER TO VA.
5. DISCONNECT ALL ELECTRICAL CONDUCTORS FROM MEDICAL HEADWALLS.
6. INSTALL NEW 3/4" EMT CONDUIT AND SINGLE GANG BOX WITH #12 CONDUCTORS WITH GFI DUPLEX RECEPTACLES OUTLETS IN NEW WALL AS INDICATED ON PLAN. TIE INTO EXISTING CIRCUITS FROM REMOVED OUTLETS.
7. INSTALL NEW 3/4" EMT RACEWAY AND SINGLE GANG BOX AT 58" \pm A.F.F. INSTALL TELEPHONE JACK AND RUN NEW TELEPHONE CABLE TO TELEPHONE CLOSET LOCATED IN ROOM 2B-114.
8. REINSTALL EXISTING THERMOSTAT THAT WAS REMOVED DURING DEMOLITION.
9. INSTALL NEW 2x4" RECESSED FLUORESCENT LIGHT FIXTURE FOR WET LOCATIONS. TIE INTO EXISTING LIGHT CIRCUITS.
10. INSTALL NEW 3/4" EMT CONDUIT RACEWAY AND SINGLE GANG BOX. RUN EMT NEAR A ACCESS PANEL IN NEW G.W.B. CEILING. INSTALL PULL STRING FOR FUTURE USE.
11. INSTALL NEW 3/4" EMT, #12 CONDUCTORS, GFI DUPLEX RECEPTACLES AS REQUIRED TO INSTALL THREE (3) OUTLETS AT 48" A.F.F.
12. INSTALL NEW PUSH PAD OPERATORS FOR THE NEW 5' WIDE DOUBLE DOORS. OBTAIN POWER FROM EMERGENCY POWER PANEL 2A-101 USING AN EXISTING SPARE CIRCUIT. INSTALL A PHENOLIC TAG ON DOOR OPENER TO INDICATE LOCATION OF PANEL AND CIRCUIT OF POWER SOURCE.



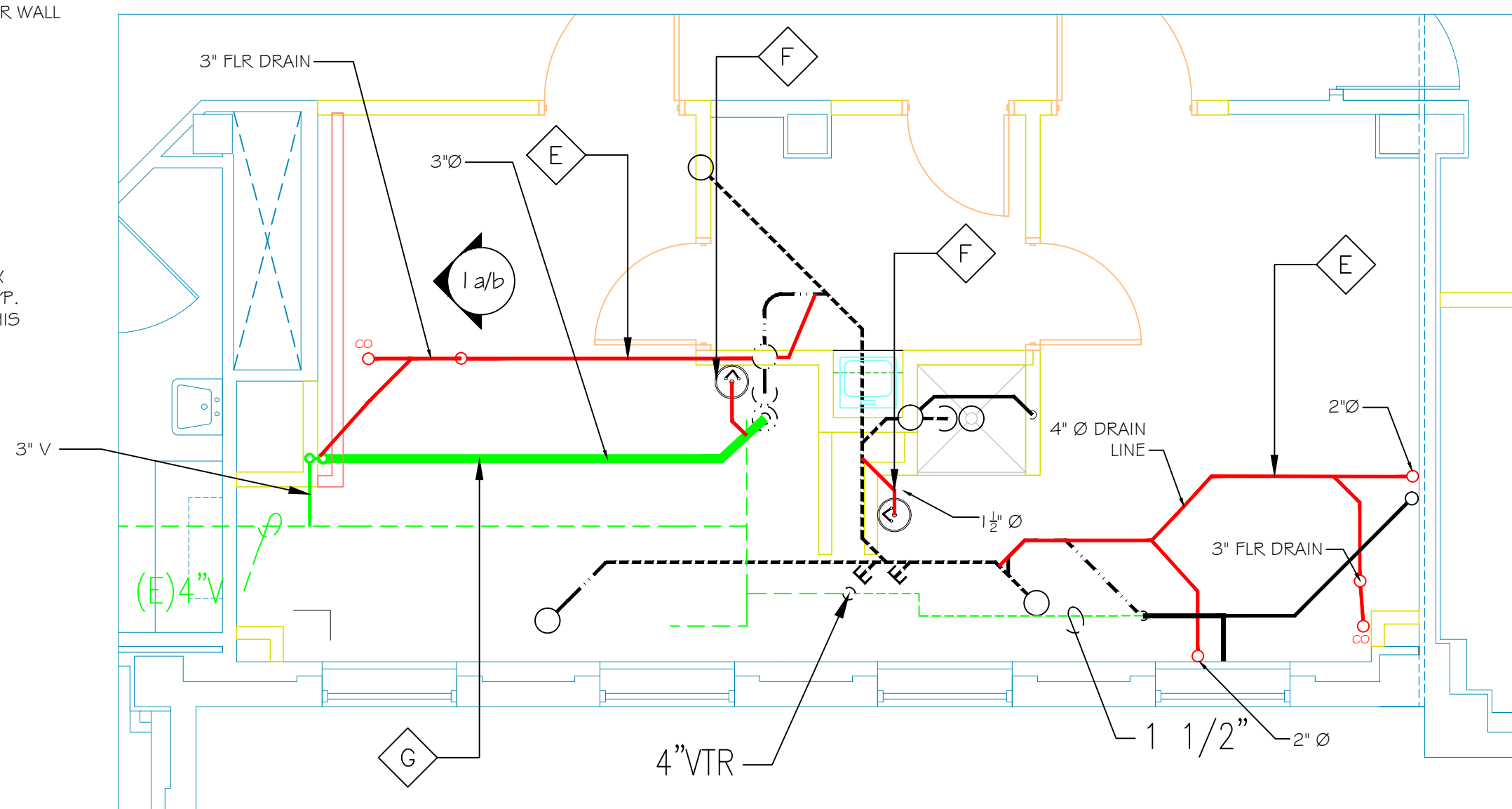
1b WALL ELEVATION OF PLUMBING AND ELECTRICAL
1/2" = 1'-0"



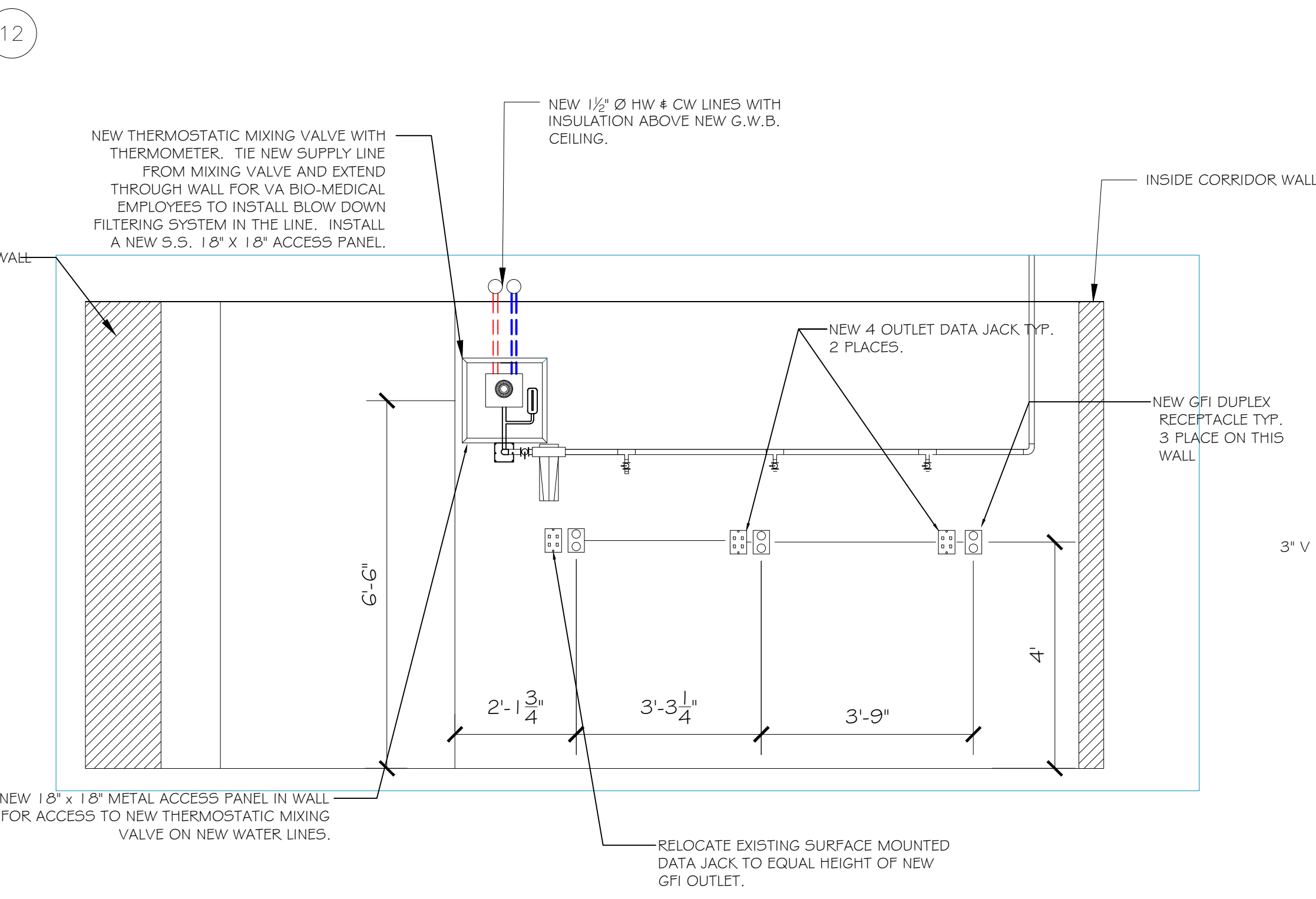
PLUMBING SUPPLY LINE DEMO AND NEW WORK
1/4" = 1'-0"

GENERAL PLUMBING WORK NOTES:

- A. REMOVE EXISTING AOV LINES FROM EXISTING MED GAS HEADWALLS AND CAP EXISTING LINES ABOVE CEILING.
- B. REMOVE EXISTING WATER SUPPLY LINES AND ALL ASSOCIATED FIXTURES (LAVATORIES, WATER CLOSETS) AND CAP OFF LINES. SEAL EXISTING FLOOR SLAB WHERE WASTE LINES GO THROUGH FLOOR.
- C. INSTALL NEW 1 1/2" ϕ COPPER PIPE FROM EXISTING 1 1/2" ϕ PIPE AND INSTALL NEW 1 1/2" BALL VALVE ON EACH LINE. INSTALL NEW 18" x 18" S.S. RECESSED PANEL WITH ACCESS DOOR AND THERMOSTATIC MIXING VALVE. SET MIXING VALVE AT A TEMPERATURE OF 95°. AT THE MIXING VALVE INSTALL NEW 1 1/2" ϕ COPPER PIPE AND INSULATION AND THREE (3) 1 1/2" x 1 1/2" x 3/4" TEES WITH A BALL VALVE ON EACH ONE.
- D. INSTALL NEW 3/4" SUPPLY LINES FROM EXISTING TO WALL FOR NEW CONNECTION TO NEW S.S. SINK BY TBJ INC. OR EQUAL. SEE ROUGH IN DRAWINGS OF SINK PRIOR TO INSTALLING SUPPLY LINES.
- E. INSTALL NEW 3" FLOOR DRAIN, TRAP AND PIPING AND TIE INTO EXISTING 4" DRAIN LINE SYSTEM. INSTALL NEW CLEAN OUT AT THE REAR OF EACH FLOOR DRAIN. INSTALL NEW 2" ϕ DRAIN LINE FOR NEW S.S. SINKS BY TBJ INC. OR EQUAL. REFER TO ROUGH IN DRAWING PRIOR TO INSTALLING DRAINS.
- F. INSTALL NEW 1 1/2" ϕ PVC DRAIN LINE FOR EYE WASH SYSTEM AND TIE INTO EXISTING DRAIN LINE. TIE NEW SUPPLY LINES (BOTH COLD AND HOT) INTO A MIXING VALVE FOR TEMPERED WATER SUPPLY. INSTALL BALL VALVES ON BOTH SUPPLY LINES.
- G. INSTALL NEW 3" ϕ PVC LINE FOR DRAINS TO NEW ADVANTAGE PLUS MACHINES. TIE INTO EXISTING DRAIN LINE OF REMOVED SHOWER AND TIE INTO EXISTING 4" VENT LINE.



PLUMBING WASTE DEMO RMS 2B-101 & 2B-104
1/4" = 1'-0"



1a WALL ELEVATION OF PLUMBING AND ELECTRICAL
1/2" = 1'-0"

Revision	Date

RECOMMEND APPROVAL			
REQUESTER	Date	CHIEF OF STAFF	Date
CHIEF OF SERVICE	Date	ASSOC. DIR. for OPERATIONS	Date
ASSOC. DIR. PATIENT CARE SVC.	Date	ASSOC. DIR. for OPERATIONS	Date
APPROVAL BY:	Date		
MEDICAL CENTER DIRECTOR			

RECOMMEND APPROVAL			
REQUESTER	Date	CHIEF OF STAFF	Date
CHIEF OF SERVICE	Date	ASSOC. DIR. for OPERATIONS	Date
ASSOC. DIR. PATIENT CARE SVC.	Date	ASSOC. DIR. for OPERATIONS	Date
APPROVAL BY:	Date		
MEDICAL CENTER DIRECTOR			

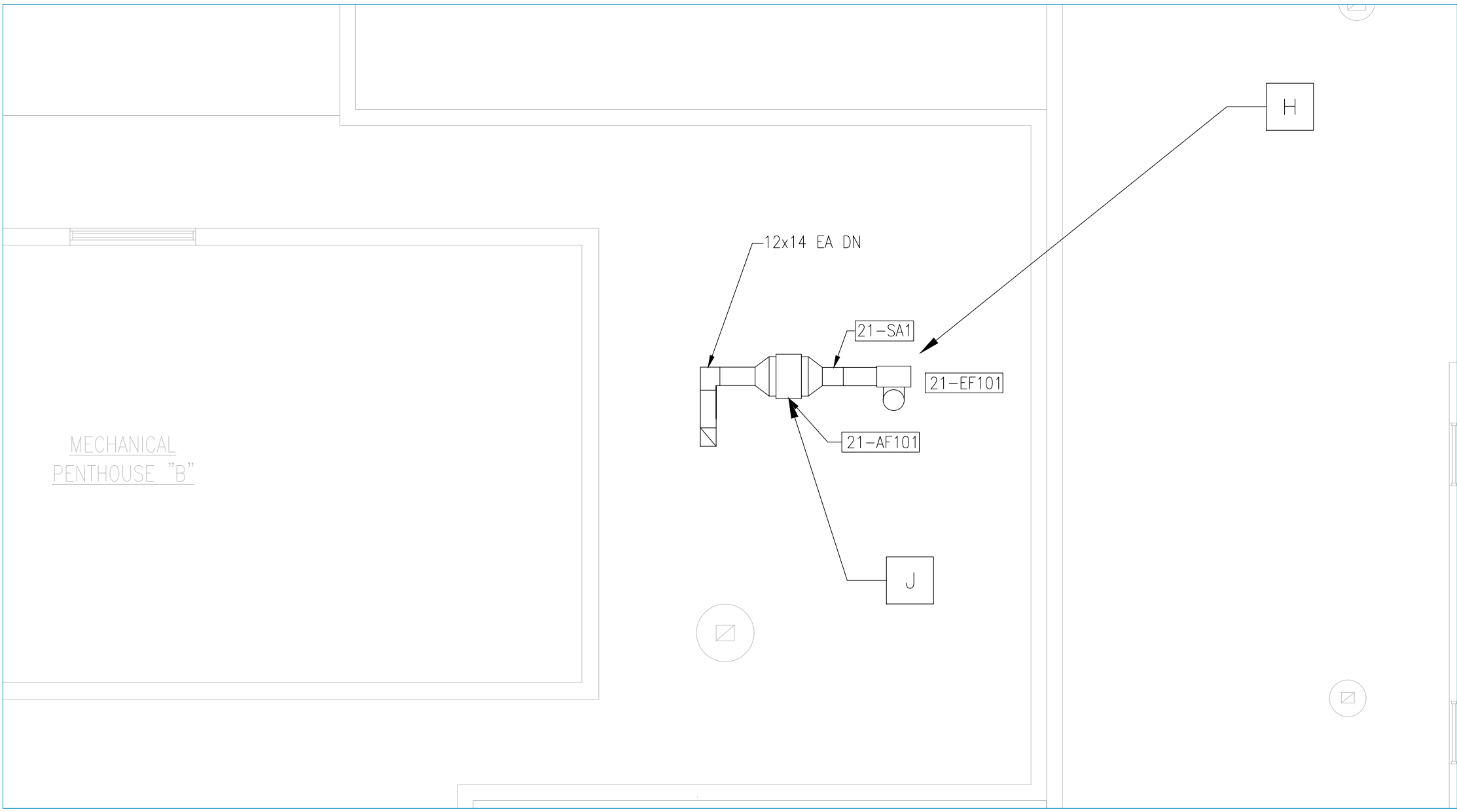
Drawing Title	Electrical & Plumbing Plans and Notes
Requester	W.G.(Bill) Hefner Medical Center
Approved: Safety Manager/M&O Supervisor	
Approved: Chief of Facilities Management Svr.	

Project Title	SALISBURY ENDO CLEAN ROOM B21 2nd FLOOR
Building Number	B21
Checked	GLM
Location	W.G.(Bill) Hefner Medical Center 1601 Brenner Ave. Salisbury NC 28144

Date	12-31-2011
Project No.	659-111-563
Drawing No.	2
DWG.	2 OF 3



Department of Veterans Affairs



ROOF PLAN WITH EXHAUST FAN
1/8" = 1'-0"

FAN SCHEDULE																																																																
FAN NO.	LOCATION	CFM	S.P. IN.	FAN TYPE	ARRANGEMENT, ROTATION & DISCHARGE	WHEEL			DRIVE	MOTOR		VARIABLE CONTROL TYPE																																																				
						TYPE	MIN. DIA. IN.	RPM		HP	PHASE VOLT.																																																					
21-EF101	A-ROOF	1066	1.90	U	—	AF	12.25	2882	BELT	2	3/208	—																																																				
<p><u>NOTE.</u> SCHEDULED MAXIMUM BHP IS FOR SCHEDULED SP PLUS TEN PERCENT.</p> <table><tr><th colspan="4"><u>FAN TYPE</u></th><th colspan="9"><u>WHEEL TYPE</u></th></tr><tr><td colspan="4">PF PLENUM FAN</td><td colspan="9">AF AIR FOIL</td></tr><tr><td colspan="4">U UTILITY</td><td colspan="9">FC FORWARD CURVED</td></tr><tr><td colspan="4">RV POWER ROOF VENTILATOR</td><td colspan="9">BI BACKWARD INCLINED</td></tr></table>													<u>FAN TYPE</u>				<u>WHEEL TYPE</u>									PF PLENUM FAN				AF AIR FOIL									U UTILITY				FC FORWARD CURVED									RV POWER ROOF VENTILATOR				BI BACKWARD INCLINED								
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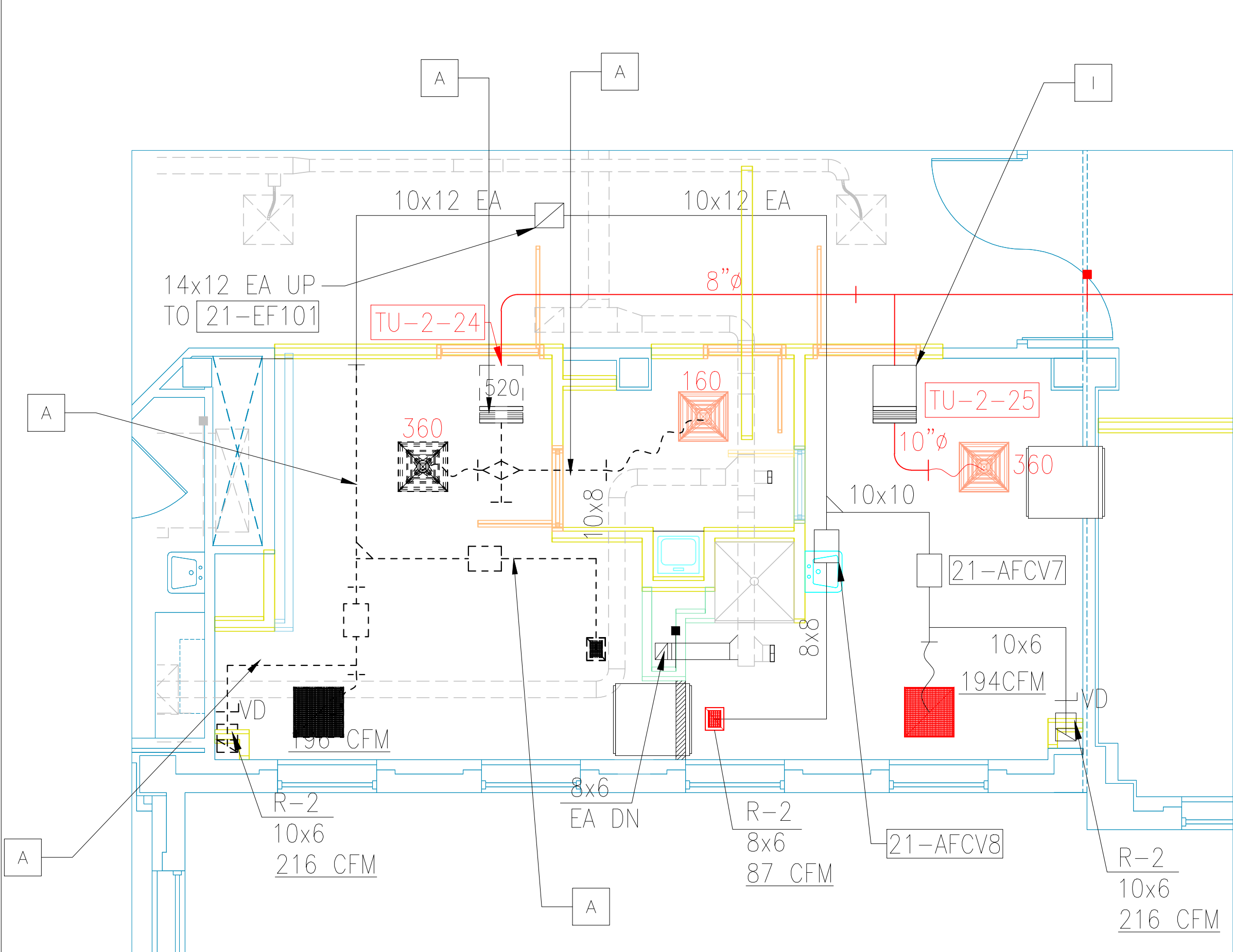
HVAC DESIGN DATA		
OUTDOOR DESIGN TEMPERATURES	92 ° F Db SUMMER	DESIGN ALTITUDE: 36 FT.
	74 ° F Wb SUMMER	
	18 ° F Db WINTER	
INDOOR AREA DESIGN CONDITIONS		
		Db (° F)
		% HUMIDITY
ENDO ROOM		72F-78F
		20% - 60%

AIR FLOW CONTROL VALVE (TERMINAL UNITS) SCHEDULE					
UNIT NO.	SYSTEM	CFM	S.P. AT MAX. CFM IN.	SPACE NC	SERVICE
21-AFCV7	21-EF101	410	0.07	35	2B101
21-AFCV8	21-EF101	87	0.02	40	2B102

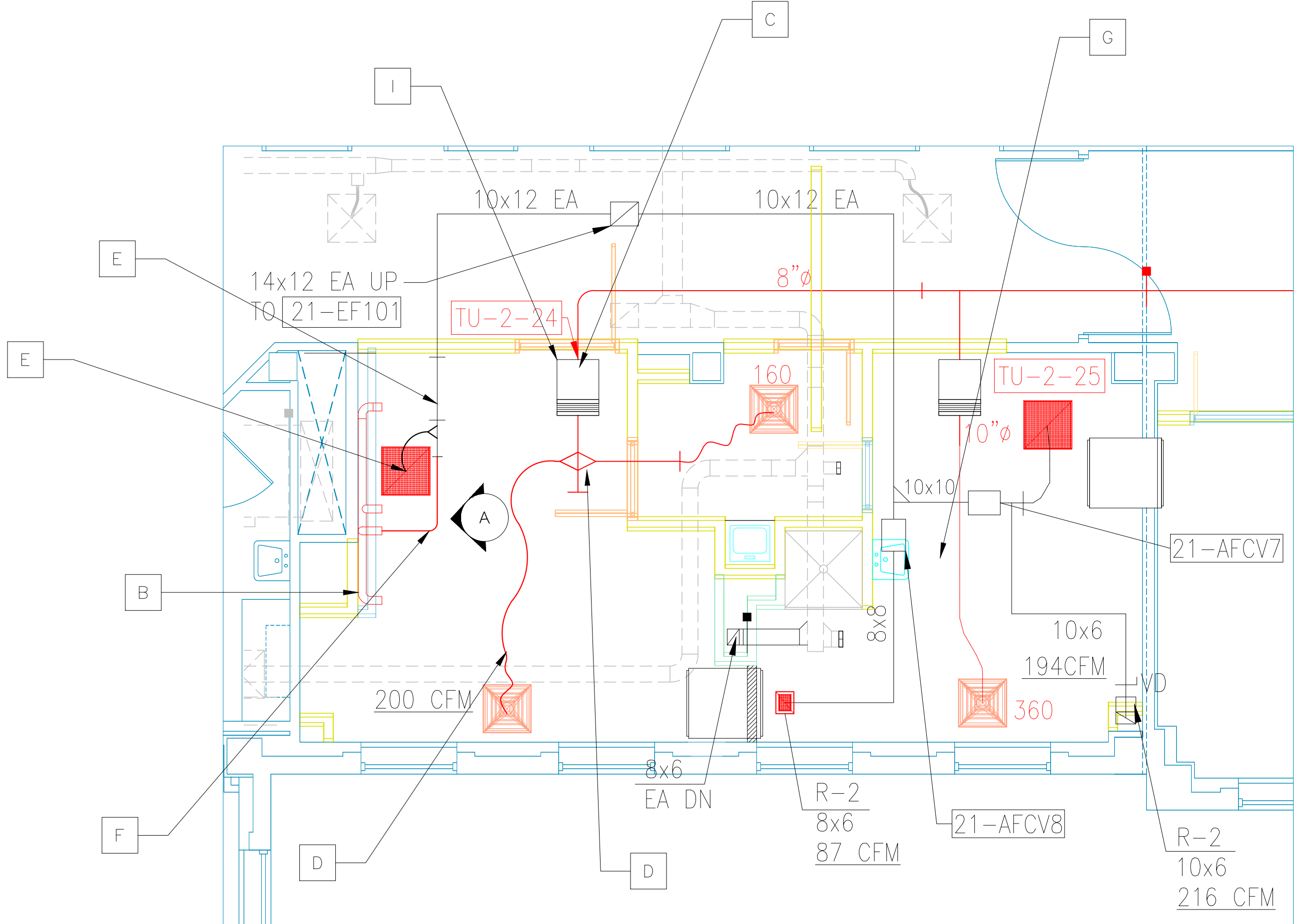
SINGLE DUCT AIR TERMINAL UNIT SCHEDULE														
UNIT NO.	CFM		① DUCT RUNOUT SIZE TO UNIT IN.	② UNIT MAX. SP. AT MAX. CFM	③ SOUND REQUIREMENTS		HOT WATER HEATING COIL							CONTROL TYPE
	MAX.	MIN.			SP. ACROSS UNIT AT MAXIMUM ROOM NC	MAX. ROOM NC	ENT. AIR TEMP. ° F	ENT. WATER TEMP. ° F	GPM	MAX. WATER PD	PIPE RUNOUT SIZE TO COIL IN.	CFM AT MIN. BTUH	MIN. BTUH	
TU-2-24	360	360	6"	0.21	1.5	35	56	180	2.0	0.5	3/4	360	10800	P
TU-2-25	360	360	6"	0.21	1.5	35	56	180	2.0	0.5	3/4	360	10800	P
① PROVIDE DUCT TRANSITION AT UNIT WHERE UNIT INLET SIZE AND DUCT RUNOUT SIZE ARE DIFFERENT.														
② THE UNIT MAXIMUM SP IS THE PRESSURE DIFFERENCE BETWEEN THE UNIT INLET AND DISCHARGE INCLUDING REHEAT COIL AND SOUND ATTENUATOR. IT IS ALSO THE MINIMUM PRESSURE REQUIRED AT THE UNIT INLET TO OBTAIN THE RATED CFM.														
③ REFER TO AIR TERMINAL UNIT SOUND REQUIREMENT SCHEDULE FOR MAXIMUM SOUND POWER LEVEL VALUES PERMITTED WITH SP ACROSS UNIT AND ROOM NC SHOWN.														

MECHANICAL GENERAL NOTES:

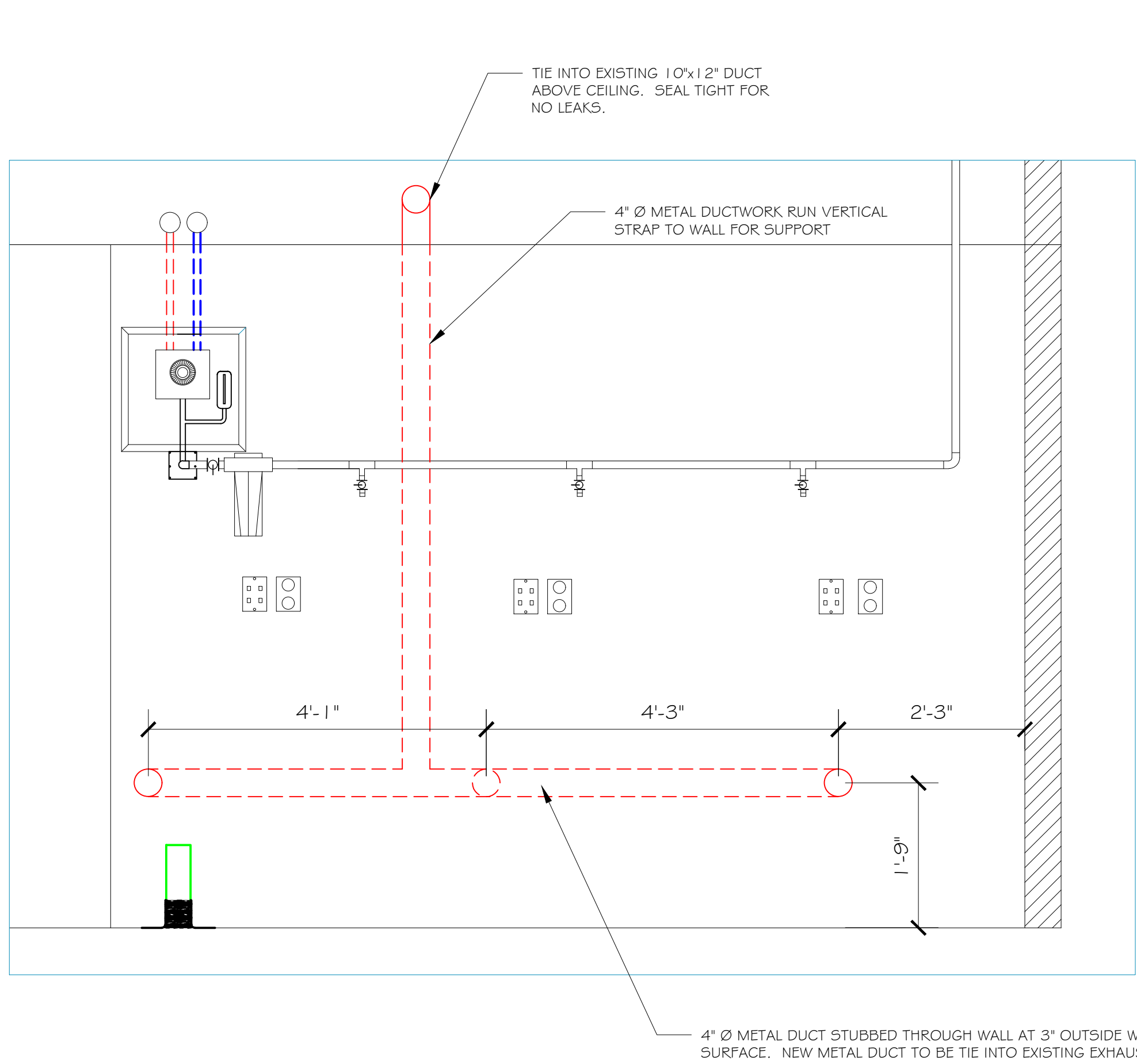
- A. REMOVE EXISTING DUCTWORK, SUPPLY AND RETURN GRILLS, SINGLE DUCT TERMINAL UNIT AND ALL MATERIAL OTHER ASSOCIATED MATERIALS.
- B. INSTALL NEW 4" Ø METAL DUCTWORK BEHIND THE METAL G.W.B. & METAL STUD WALL. INSTALL AS PER DETAIL AND STUB TO NEW DUCTWORK OUT THROUGH THE WALL 3".
- C. INSTALL NEW SINGLE DUCT TERMINAL UNIT AS PER REQUIREMENTS ON THIS SHEET. THE ROOM 2B-104 IS TO HAVE 6 AIR CHANGES PER HOUR.
- D. INSTALL NEW FLEXIBLE DUCTWORK SIZED AS REQUIRED TO GET THE REQUIRED CFM FOR THAT AREA. INSTALL NEW SUPPLY GRILL IN THE AREA OF THE CEILING LOCATED AT THE WINDOW.
- E. MODIFY EXISTING DUCTWORK FOR THE RETURN AND INSTALL NEW RETURN GRILL IN THE AREA INDICATED. DUCTWORK TO BE SIZED IN FOR THE ROOM TO BE POSITIVE PRESSURE WITH 6 AIR CHANGES PER HOUR.
- F. TIE NEW 4"Ø METAL DUCTWORK INTO NEW RETURN AIR DUCTWORK. THIS DUCTWORK IS TO BE TIED INTO THREE (3) NEW MACHINES. THESE MACHINES WILL NOT HAVE ANY FAN TO PUSH THE EXHAUST FUMES FROM THE MACHINE.
- G. ROOM 2B-101 IS TO BE NEGATIVE PRESSURE WITH 15 AIR CHANGES PER HOUR. ADD, REMOVE OR ADJUST DAMPERS, FILTERS TO OBTAIN THIS REQUIREMENT FOR NEGATIVE PRESSURE.
- H. MODIFY OR REPLACE PULLEYS AS REQUIRED TO GET THE REQUIRED 15 AIR CHANGES NEEDED IN EACH AREA FOR PROJECT.
- I. ADJUST HVAC EQUIPMENT TO OBTAIN THE % OF HUMIDITY AND TEMPERATURE REQUIRED FOR EACH AREA.
- J. REMOVE HEPA FILTERS FROM UNIT 21-AF101 PRIOR TO T & B OF SYSTEM.
- K. TEST AND BALANCE ALL EXHAUST AND SUPPLY SYSTEMS FOR THIS AREA.



DUCT WORK LAYOUT WITH CFM REQUIRMENTS.
1/4" = 1'-0"



DUCT WORK LAYOUT WITH CFM REQUIRMENTS.
1/4" = 1'-0"



4" METAL DUCTWORK BEHIND WALL
3/4" = 1'-0"

Revision	Date

RECOMMEND APPROVAL			
REQUESTER	Date	CHIEF OF STAFF	Date
CHIEF OF SERVICE	Date	ASSOC. DIR. for OPERATIONS	Date
ASSOC. DIR. PATIENT CARE SVC.	Date	ASSOC. DIR. for OPERATIONS	Date
APPROVAL BY:	Date		
MEDICAL CENTER DIRECTOR			

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REQUESTER	Date	CHIEF OF STAFF	Date
CHIEF OF SERVICE	Date	ASSOC. DIR. for OPERATIONS	Date
ASSOC. DIR. PATIENT CARE SVC.	Date	ASSOC. DIR. for OPERATIONS	Date
APPROVAL BY:	Date		
MEDICAL CENTER DIRECTOR			

Drawing Title	MECHANICAL PLANS AND NOTES
Approved: Safety Manager/M&O Supervisor	Approved:Chief of Facilities Management Svr.

Project Title	SALISBURY ENDO CLEAN ROOM B21 2nd FLOOR
Building Number	B21
Location	W.G.(Bill) Hefner Medical Center 1601 Brenner Ave. Salisbury NC 28144

Date	12-31-2011
Project No.	659-11-563
DRAWING NO.	3
DWG. 3 OF 3	



Department of
Veterans Affairs