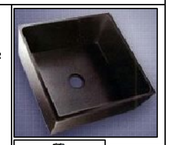
PLUMBING FIXTURE SCHEDULE

SK-1; LABORATORY SINK UNDERMOUNT CHEMICAL RESISTANT FAUCET (ADA)
1. TYPE
   A. UNDERMOUNT EPOXY RESIN 24"x16"x12"
2. FAUCETS
   A. CHICAGO FAUCET 786-GN8BVE7CP TWO HANDLE MIXING LAB FAUCET, VACUUM BREAKER, AERATOR
   B. CHICAGO FAUCET 969-217LHCTF SINGLE HANDLE, VACUUM BREAKER SERRATED TIP. (DW)
3. CONNECTION
   A. 1/2" CW & HW, 1/2" DW 1-1/2" ACID WASTE
4. MOUNTING
   A. COUNTER UNDERMOUNT AS SHOWN ON ARCH DRAWINGS.
5. SUPPLIES
   A. MCGUIRE 165LK WITH LOOSE KEY STOPS. AERATOR TIP
   B. WRIST BLADE HANDLES
6. DRAIN
   A. CHARLOTTE PIPE AW-1A ACID WASTE.
7. TRAP
   A. ACID WASTE.



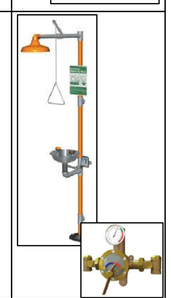
SK-2; UTILITY SINK / ADA (TWO COMPARTMENT UNDERMOUNT COUNTER)
1. TYPE
   A. ELKAY CR3322 20 GA. STAINLESS STEEL. (3 HOLES)
2. SIZE
   A. 30-3/4"x18-1/2"x 5-1/2" OVERALL. 13-1/2"x16"x5-1/2" INSIDE BOWL
3. CONNECTION
   A. 1-1/2" WASTE, 1/2" CW, 1/2" HW.
4. MOUNTING
   A. COUNTER AS SHOWN ON ARCH DRAWINGS. MIN CABINET SIZE 39"
5. FITTING
   A. DELTA 4380-SS-DST GOOSENECK SPOUT WITH SINGLE HANDLE FAUCET WITH HOSE SPRAY.
6. SUPPLIES
   A. MCGUIRE 165LK WITH LOOSE KEY STOPS.
7. DRAIN
   A. TWO (2) MCGUIRE 152 3-1/2" BASKET STRAINER AND TWO 1-1/2" OFFSET TAILPIECE.
8. TRAP
   A. TWO (2) MCGUIRE 8912 1-1/2" P-TRAP WITH C.O. PLUG.

P-1; LABORATORY DECK MOUNT DOUBLE GAS VALVE
1. TYPE
   A. WATERSAVER L4200-132SMSA. 180° DOUBLE
   D. FORGED BRASS VALVE BODY
   E. CHROME PLATED BRASS BALL WITH MOLDED TEFLON SEALS
   F. CHROME FINISH
2. CONNECTION
   A. 3/8" IPS
3. MOUNTING
   A. DECK MOUNTED, SEE ARCH DWGS. FOR CONTINUATION

P-2; LABORATORY WALL MOUNT SINGLE GAS VALVE
1. TYPE
   A. WATERSAVER L4200-141WS.
   D. FORGED BRASS VALVE BODY
   E. CHROME PLATED BRASS BALL WITH MOLDED TEFLON SEALS
   F. CHROME FINISH
2. CONNECTION
   A. 3/8" IPS
3. MOUNTING
   A. WALL MOUNTED, SEE ARCH DWGS FOR CONTINUATION

EEW-1, EMV-1; EMERGENCY EYE/FACE WASH
1. TYPE
   A. WATERSAVER EW806 DECK MOUNTED SWIVEL EYEWASH WITH DUAL SPRAY-HEADS.
2. CONNECTION
   A. 1/2" TEMPERED WATER
3. HEADS
   A. ABS PLASTIC PROTECTIVE COVERED EYEWASH HEADS.
4. VALVE
   A. CHROME PLATED BRASS STAY-OPEN BALL VALVE WITH EXTENDED HANDLE
5. SIGN
   A. ALUMINUM DESIGNED FOR WALL MOUNTING LABELED "EMERGENCY EYEWASH FOUNTAIN".
6. VACUUM BREAKER
   A. WATERSAVER IN-LINE VACUUM BREAKER BETWEEN VALVE AND SPRAY HEADS
7. MIXING VALVE, EMV-1
   A. WATERSAVER AP3602 EMERGENCY THERMOSTATIC MIXING VALVE
8. VALVE BOX
   A. SURFACE MOUNTED STAINLESS STEEL

EW-2, EMV-2; EMERGENCY SHOWER AND EYEWASH
1. TYPE
   A. WATERSAVER SS950 SAFETY STATION WITH EYE/FACE WASH
2. CONNECTION
   A. 1-1/4" TEPID WATER
3. SHOWER HEAD AND BOWL
   A. 10" DIAMETER ABS PLASTIC SHOWER HEAD
   B. 11.5" DIAMETER STAINLESS STEEL EYE/FACE BOWL
4. SHOWER VALVE
   A. CHROME PLATED BRASS 1" IPS STAY-OPEN BALL VALVE WITH STAINLESS STEEL PULL ROD AND TRIANGULAR HANDLE
5. EYEWASH HEADS
   A. CHROME PLATED BRASS YOKE WITH TWIN, AERATED, EYEWASH HEADS
6. VALVE
   A. CHROME PLATED STAY-OPEN BALL VALVE WITH PUSH FLAG HANDLE
7. SIGN
   A. UNIVERSAL IDENTIFICATION AND INSPECTION TAG.
8. MIXING VALVE EMV-2
   A. WATERSAVER AP3802 THERMOSTATIC MIXING VALVE
   B. LOCATE ABOVE CEILING



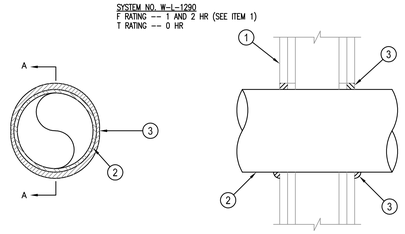
WB-1; REFRIGERATOR WATER BOX WITH CW FITTINGS.
SEE ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT BELOW COUNTER TOP.
1. TYPE
   A. SIMILAR TO GUY GRAY MODEL AB9201
2. CONNECTION
   A. 1/2" CW CONNECTION FTGS. BY PC.
   (PC SHALL CONNECT CW LINES TO REFRIGERATOR AS PER MANUFACTURER'S RECOMMENDATIONS.)
3. CW SUPPLY FITTING
   A. 1/4" OD COMPRESSION ANGLE VALVE FOR OUTLET FURNISHED AND INSTALLED IN BOX BY PC
   (PC TO PROVIDE A TEE FITTING TO CONNECT REFRIGERATOR & COFFEE MAKER LINES TO ONE WB-1.)
4. INSTALLATION
   A. SEE NOTES ON PLAN.

FD-1; FLOOR DRAIN (MED TRAFFIC ROUND TOP)
1. TYPE
   A. CHARLOTTE PIPE AW-160MS
2. TOP
   A. 6" STAINLESS STEEL.
3. CONNECTION
   A. 3" ACID WASTE
4. TRAP
   A. ACID WASTE DEEP SEAL.

PLUMBING LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
			UNION
CW	COLD WATER LINE - (CW)		STRAINER
HW	HOT WATER LINE - (HW)		WALL BOX
HWR	HOT WATER RECIRCULATING LINE - (HWR)	FCO	FLOOR CLEANOUT
AW	ACID WASTE LINE (AW)	CO	INLINE CLEANOUT
AV	ACID WASTE VENT LINE (AV)	WCO	WALL CLEANOUT
G	NATURAL GAS LINE (G)	FD	FLOOR DRAIN
CA	COMPRESSED AIR LINE (CA)		BALL VALVE
CO2	CARBON DIOXIDE LINE (CA)		GAS COCK
DW	DEIONIZED WATER LINE (DW)		PRV
V	VACUUM LINE OUTLET		PUMP
CA	COMPRESSED AIR OUTLET		BALANCING VALVE
CO2	COMPRESSED CARBON DIOXIDE OUTLET		CHECK VALVE
NG	NATURAL GAS OUTLET		DUAL CHECK VALVE
	END CAP		DOUBLE CHECK VALVE
	PIPE DOWN OR DROP (DN OR DROP)		CHECK VALVE
	PIPE UP		POINT OF CONNECTION - NEW TO EXISTING
	PIPE BREAK OR CONTINUATION		AREA TO BE DEMOLISHED
	P-TRAP		

SYSTEM NO. W-L-1290
F RATING -- 1 AND 2 HR (SEE ITEM 1)
T RATING -- 0 HR



SECTION A-A

1. WALL ASSEMBLY -- THE 1 OR 2 HR FIRE RATED GYPSUM BOARD/STUD WALL ASSEMBLY SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES.
   A. STUDS -- REFER TO ARCH DETAILS FOR TYPE & CONSTRUCTION.
   B. GYPSUM BOARD* -- REFER TO ARCH DETAILS FOR TYPE & CONSTRUCTION. MAX DIAM OF OPENING IS 5 IN. (THE HOURLY F & T RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.)
2. THROUGH PENETRANT -- ONE METALLIC PIPE OR TUBING INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. PIPE, OR TUBING MAY BE INSTALLED AT AN ANGLE NOT GREATER THAN 45 DEGREES FROM PERPENDICULAR. PIPE OR TUBE TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE ANNULAR SPACE BETWEEN THE PIPE OR TUBE & PERIPHERY OF THE OPENING SHALL BE MIN 0 IN (POINT CONTACT) TO MAX 1/2 IN. THE FOLLOWING TYPES & SIZES OF METALLIC PIPES MAY BE USED:
   A. IRON PIPE -- NOM 4 IN. DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
   B. COPPER PIPE -- SHALL FOLLOW WL-1243 SYSTEM
3. FILL, VOID OR CAVITY MATERIAL*-SEALANT -- MIN 5/8 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT CONTACT LOCATION BETWEEN PIPE & WALL, A MIN ½ IN DIAM BEAD OF FILL MATERIAL SHALL BE APPLIED AT THE PIPE/WALL INTERFACE.

*BEARING THE UL CLASSIFICATION MARK

1 FIRE STOPPING DETAIL
NTS

PIPE IDENTIFICATION SCHEDULE

SERVICE TYPE	DECAL IDENTIFICATION	TAPE COLOR
COLD WATER SERVICE	COLD WATER SUPPLY	GREEN
HOT WATER	DOMESTIC HOT WATER	YELLOW
VACUUM	VACUUM	WHITE
NATURAL GAS	GAS	GREEN
COMPRESSED AIR	COMP AIR	YELLOW
DE-IONIZED WATER	DI WATER	GREEN

1. PIPE SIZES 1-1/4" TO 6", USE 2-1/4" LETTERING.
2. PIPE SIZES 1" OR LESS, USE 1-1/4" LETTERING.

FIXTURE SIZE SCHEDULE

MARK	WASTE	VENT	CW	HW
WC	4"	2"	1"	---
L	2"	1 1/2"	1/2"	1/2"
U	2"	1 1/2"	3/4"	---
SK	2"	1 1/2"	1/2"	1/2"
MSB	3"	1 1/2"	3/4"	3/4"
SH	2"	1 1/2"	1/2"	1/2"
EWC	2"	1 1/2"	1/2"	---

NOTE: USE THESE SIZES FOR FIXTURE CONNECTIONS UNLESS OTHERWISE NOTED

ABBREVIATIONS *

ABV	Above	NC	Normally Closed
AD	Access Door	NIC	Not in Contract
AFF	Above Finished Floor	NO	Normally Open
BFP	Backflow Preventer	NPT	National Pipe Thread
CI	Cast Iron	NTS	Not To Scale
COL	Column Line	OFST	Over Flow Storm Drain
CONN	Connection	OX	Oxygen
CW	Cold Water	PC	Plumbing Contractor
DI	Dionized Water	P-#	Pump - No.
DN	Down	PRV	Pressure Reducing Valve
EC	Electrical Contractor	PSI	Pounds Per Square Inch
ELEV	Elevation	RD	Roof Drain
ET	Expansion Tank	SA	Shock Absorber
EWC-#	Electric Water Cooler	SH-#	Shower
FD	Floor Drain	SK-#	Sink
FL	Floor	SS	Stainless Steel
FT	Feet	ST	Storm Drain
GC	General Contractor	STD	Standard
GPH	Gallons Per Hour	TEMP	Temperature
GPM	Gallons Per Minute	TOS	Top of Steel
HW	Hot Water	TYP	Typical
HWR	Hot Water Return	U-#	Urinal
IE	Invert Elevation	VAC	Vacuum
L-#	Lavatory	VB	Vacuum Breaker
MA	Medical Air	V	Sanitary Vent
MAX	Maximum	VTR	Vent Thru Roof
MC	Mechanical Contractor	W	Sanitary Waste
MIN	Minimum	WB-#	Wall Box
MPT	Male Pipe Thread	WC-#	Water Closet
MSB-#	Mop Sink Basin	WTS	Water Tight Sleeve
N/A	Not Applicable		

* Not All Abbreviations Used

PLUMBING GENERAL NOTES

1. VERIFY EXACT LOCATION OF ALL PLUMBING FIXTURES IN OR ATTACHED TO CASEWORK WITH THE ARCHITECT AND THE MILLWORK SHOP DRAWINGS. COORDINATE PRIOR TO INSTALLATION.
2. CONFIRM OR VERIFY EXACT LOCATION AND ACTUAL INVERT OF ACID WASTE LINES PRIOR TO INSTALLATION.
3. DUE TO THE LARGE QUANTITY OF PIPING, DUCTWORK, CONDUIT, ETC. ABOVE THE CEILING COORDINATION WITH OTHER DISCIPLINES IS MANDATORY.
4. LOCATE SHUT-OFF VALVE ABOVE CEILING AND IN LOCATIONS ACCESSIBLE FOR SERVICE. LOCATION SHALL COMPLY WITH THE REQUIREMENTS OF ALL CODES REFERENCED HEREIN.
5. ALL SANITARY/ACID DRAINAGE PIPING 3" AND LARGER SHALL SLOPE 1/8" PER FOOT UNLESS NOTED OTHERWISE. ALL SANITARY/ACID DRAINAGE PIPING 2" AND SMALLER SHALL SLOPE 1/4" PER FOOT UNLESS NOTED OTHERWISE.
6. CONTRACTOR SHALL REFERENCE DIVISION 15 OF THE SPECIFICATIONS AND EQUIPMENT SCHEDULE ON DRAWING P0.0 FOR PLUMBING FIXTURES, EQUIPMENT, MATERIALS, PIPING, INSULATION, HANGERS, AND SUPPORTS.
7. REFERENCE PLUMBING FIXTURE CONNECTION SCHEDULE ON DRAWING P0.0 FOR LINE SIZES NOT SHOWN TO FIXTURES/EQUIPMENT.
8. ALL FLOOR DRAINS SHALL BE INSTALLED PLUMB AND LEVEL WITH FINISHED FLOOR ELEVATION FOR SLAB INSTALLATION.
9. CONTRACTOR SHALL PROVIDE HANGERS AND SUPPORTS FOR SEISMIC RESTRAINT PER THE I2007 INTERNATIONAL BUILDING CODE.
10. ALL DRAINAGE PIPING AND PRESSURE SYSTEM PIPING SHALL BE RUN AS HIGH AS POSSIBLE TO BOTTOM OF STRUCTURE, UNLESS NOTED OTHERWISE. COORDINATE PIPE ROUTING WITH ALL OTHER TRADES.
11. THE FOLLOWING PLUMBING SYSTEMS SHALL BE INSULATED: COLD WATER, HOT WATER, HOT WATER RECIRCULATION, P-TRAPS AND HORIZONTAL PIPING RECEIVING CONDENSATE ABOVE CEILINGS, HORIZONTAL ROOF DRAIN LEADERS (REFERENCE DIVISION 15 OF THE SPECIFICATIONS).
12. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT ITEMS TO BE FURNISHED FIT THE SPACE AVAILABLE.
13. ALL WALL HUNG FIXTURES SHALL BE SEALED BETWEEN WALL AND FIXTURES WITH WHITE SILICONE CAULKING.
14. ALL COUNTER MOUNTED FIXTURE RIMS SHALL BE SEALED WITH SILICONE CAULKING.
15. LOCATE FLOOR CLEANOUTS PAST LIMITS OF THE CASEWORK.
16. CONTRACTOR SHALL MAKE PROVISIONS FOR EXPANSION LOOPS WHERE NECESSARY WHETHER OR NOT SHOWN ON DRAWINGS.
17. OFFSET PLUMBING VENTS, WATER PIPING AS NECESSARY TO AVOID CONFLICTS WITH DUCTWORK. SEE HVAC PLANS.
18. IT IS THE INTENT AND MEANING OF THE DRAWINGS TO PROVIDE COMPLETE AND OPERABLE PLUMBING AND DRAINAGE SYSTEMS.
19. CONTRACTOR SHALL BE BOUND BY THE REQUIREMENTS OF THE UNDERGROUND UTILITIES DAMAGE PREVENTION ACT, STATUTE 58-35-10.
20. ALL PLUMBING LINE SIZE REDUCTIONS SHALL BE MADE WITH REDUCERS AND/OR REDUCING FITTINGS.
21. PLUMBING CONTRACTOR SHALL TEST EACH REDUCED PRESSURE BACKFLOW PREVENTER AND DOUBLE CHECK VALVE INSTALLED USING A CERTIFIED TESTER IN ACCORDANCE WITH SOUTH CAROLINA PRIMARY DRINKING WATER REGULATIONS.
22. ALL GAS PIPING IN PARTITION WALLS SHALL BE ANNEALED COPPER WITH BRAZED JOINTS. A STEEL STRIKER BARRIER NOT LESS THAN 0.0508 INCH THICK SHALL BE INSTALLED BETWEEN THE PIPING AND THE FINISHED WALL EXTENDING AT LEAST 4 INCHES BEYOND CONCEALED PENETRATIONS OF PLATES, FIRE STOPS, WALL STUDS, ETC... GAS PIPING SHALL NOT BE INSTALLED IN CMU OR SOLID WALLS.
23. PLUMBING CONTRACTOR TO MAKE FINAL CONNECTIONS ON ALL LAB FIXTURES.
24. PROVIDE WATTS #7C BACKFLOW PREVENTER AND DOWN STREAM OF DUAL OUTLET SHUT OFF VALVE FOR DISHWASHER.
25. THESE DRAWINGS ARE SCHEMATIC IN NATURE AND DO NOT SHOW EXACT LOCATIONS OF FIXTURES AND EQUIPMENT. ALL OFFSETS AND FITTINGS FOR COMPLETE INSTALLATION MAY NOT BE DEFINED ON THE DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING EXACT DIMENSIONS AT THE BUILDING AND ANY NECESSARY CHANGES MADE IN ACCORDANCE WITH STRUCTURAL CONDITIONS, EQUIPMENT TO BE INSTALLED AND COORDINATION WITH OTHER SYSTEMS. IF CONFLICTS CANNOT BE RESOLVED THEY SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER.
26. CONTRACTOR SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS INSOFAR AS THEY APPLY: NFPA 54, 2006 INTERNATIONAL BUILDING, GAS AND PLUMBING CODES.
27. CONTRACTOR SHALL SECURE ALL PERMITS, INSPECTIONS, LICENSES AND TESTS REQUIRED FOR THIS WORK AND PAY ALL FEES IN CONNECTION THEREWITH.
28. ALL MATERIALS SHALL BEAR THE MANUFACTURER'S NAME, TRADE NAME AND BE U.L. LABELED IF REQUIRED. UNLESS SPECIFICALLY INDICATED OTHERWISE, ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER. ALL EQUIPMENT OF A SIMILAR TYPE SHALL BE OF THE SAME MANUFACTURER.H
29. CONTRACTOR SHALL LOCATE AND SIZE ALL OPENINGS REQUIRED FOR PLUMBING EQUIPMENT AND PIPING; AND PROVIDE THIS INFORMATION TO THE GENERAL CONTRACTOR IN TIME NOT TO DELAY BUILDING CONSTRUCTION.
30. CONTRACTOR SHALL PROVIDE AND LOCATE SLEEVES AND INSERTS REQUIRED BEFORE THE FLOOR AND WALLS ARE BUILT OR SHALL BE RESPONSIBLE FOR THE COST OF CUTTING AND PATCHING REQUIRED FOR PIPES WHERE SLEEVES AND INSERTS WERE NOT INSTALLED OR WHERE THEY WERE INCORRECTLY LOCATED.
31. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR OR OF THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL TO THE WORK OF THE CONTRACTOR. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE FAILURE OF THE CONTRACTOR TO PERFORM THE CONSTRUCTION WORK IN ACCORDANCE WITH THE DRAWINGS.

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UNIVERSITY OF SOUTH CAROLINA

project name
COKER - 7th FLOOR PHARMACY RENOVATION

State project number
H27- 6101

project number
12023.01

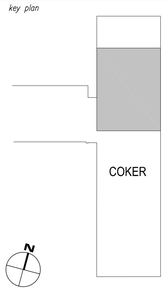
seals/signature

issued for
CONSTRUCTION

date
APRIL 23, 2013

number	item	date

key plan



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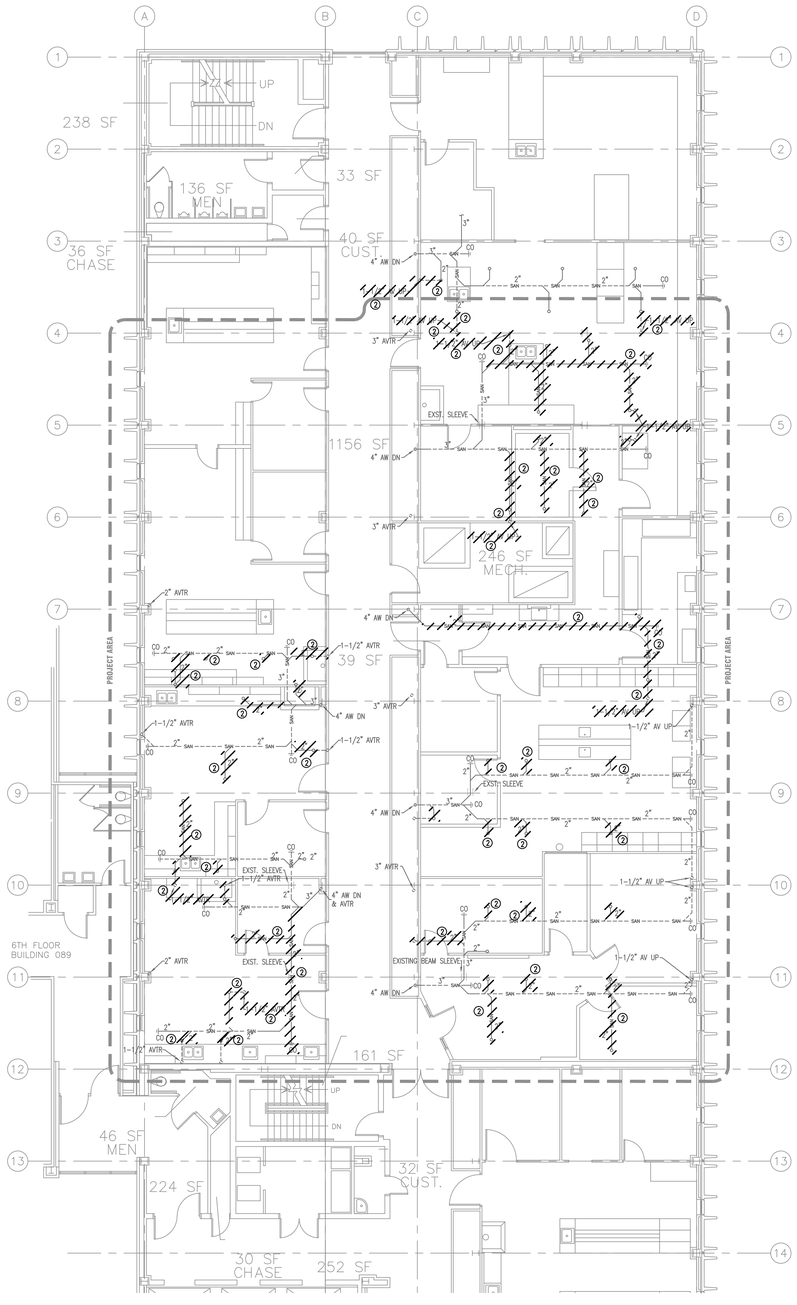
PLUMBING NOTES, ABBREVIATIONS SCHEDULES, AND SYMBOLS

sheet number
P0.0

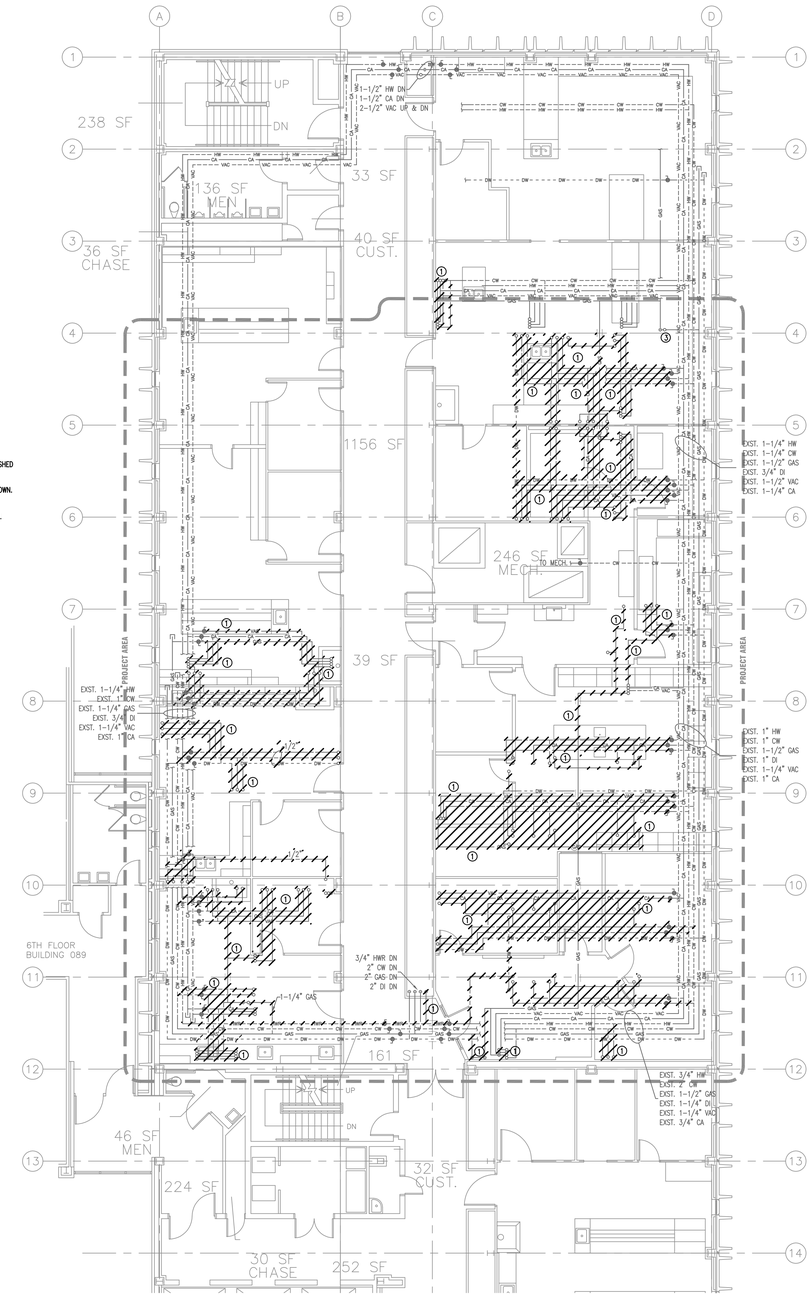
drawn by JJR
checked by JWB, RLW



1 PARITAL SIXTH FLOOR PLAN – WASTE & VENT PIPING DEMOLITION
1/8"=1'-0"

DEMOLITION NOTES:

1. EXISTING PLUMBING SUPPLY PIPING AND LAB GAS PIPING TO BE DEMOLISHED AS SHOWN. REMOVE EXISTING PIPING TO MAIN AND CAP.
2. EXISTING ACID WASTE AND ACID VENT PIPING TO BE DEMOLISHED AS SHOWN. REMOVE EXISTING PIPING TO MAIN AND CAP.
3. PROTECT EXISTING INSTRUCTOR'S GAS CUT-OFF VALVE AT THIS LOCATION. EXISTING VALVE TO REMAIN.



2 PARITAL SIXTH FLOOR PLAN – WATER & GAS PIPING DEMOLITION
1/8"=1'-0"

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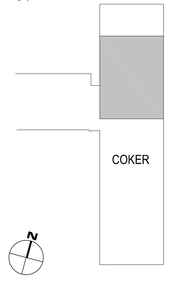
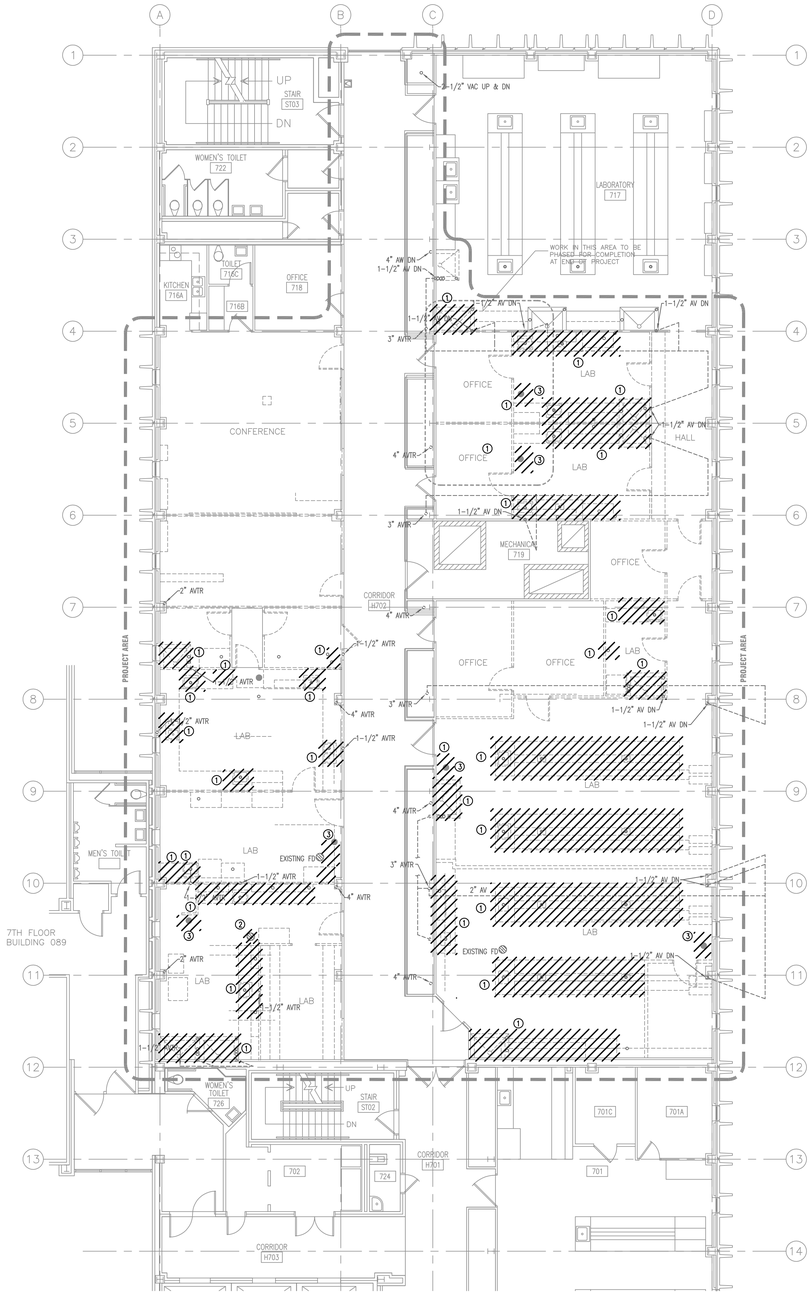


sheet title
PARTIAL SIXTH FLOOR PLAN PLUMBING DEMOLTION

sheet number
P1.6

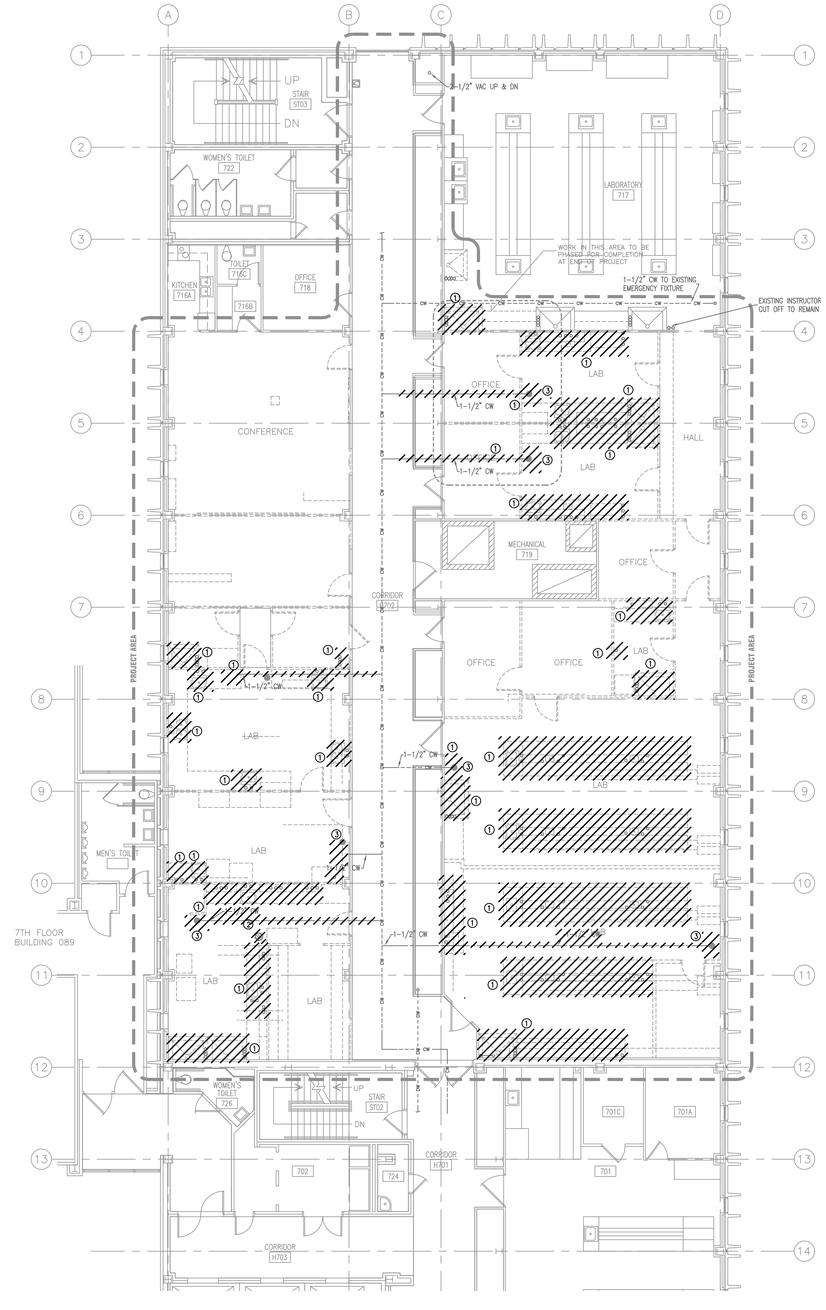
drawn by JJR
checked by JWB, RLW



1 PARITAL SEVENTH FLOOR PLAN – WASTE & VENT PIPING DEMOLITION
1/8"=1'-0"

DEMOLITION NOTES:

1. DEMOLISH AND REMOVE EXISTING PLUMBING FIXTURES. DEMOLISH EXISTING WASTE AND SUPPLY PIPING BELOW FLOOR TO MAIN AND CAP AS SHOWN. DEMOLISH EXISTING VENT PIPING ABOVE SIXTH FLOOR CEILING AND CAP AS SHOWN.
2. DEMOLISH AND REMOVE EXISTING FLOOR DRAIN BELOW FLOOR AND CAP AS SHOWN.
3. DEMOLISH AND REMOVE EXISTING EMERGENCY EYEWASH SAFETY SHOWER. CAP EXISTING SUPPLY PIPING ABOVE CEILING AS SHOWN.



2 PARITAL SEVENTH FLOOR PLAN – WATER & GAS PIPING DEMOLITION
1/8"=1'-0"

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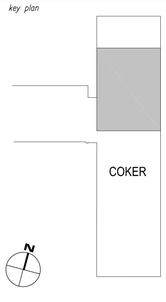
key plan



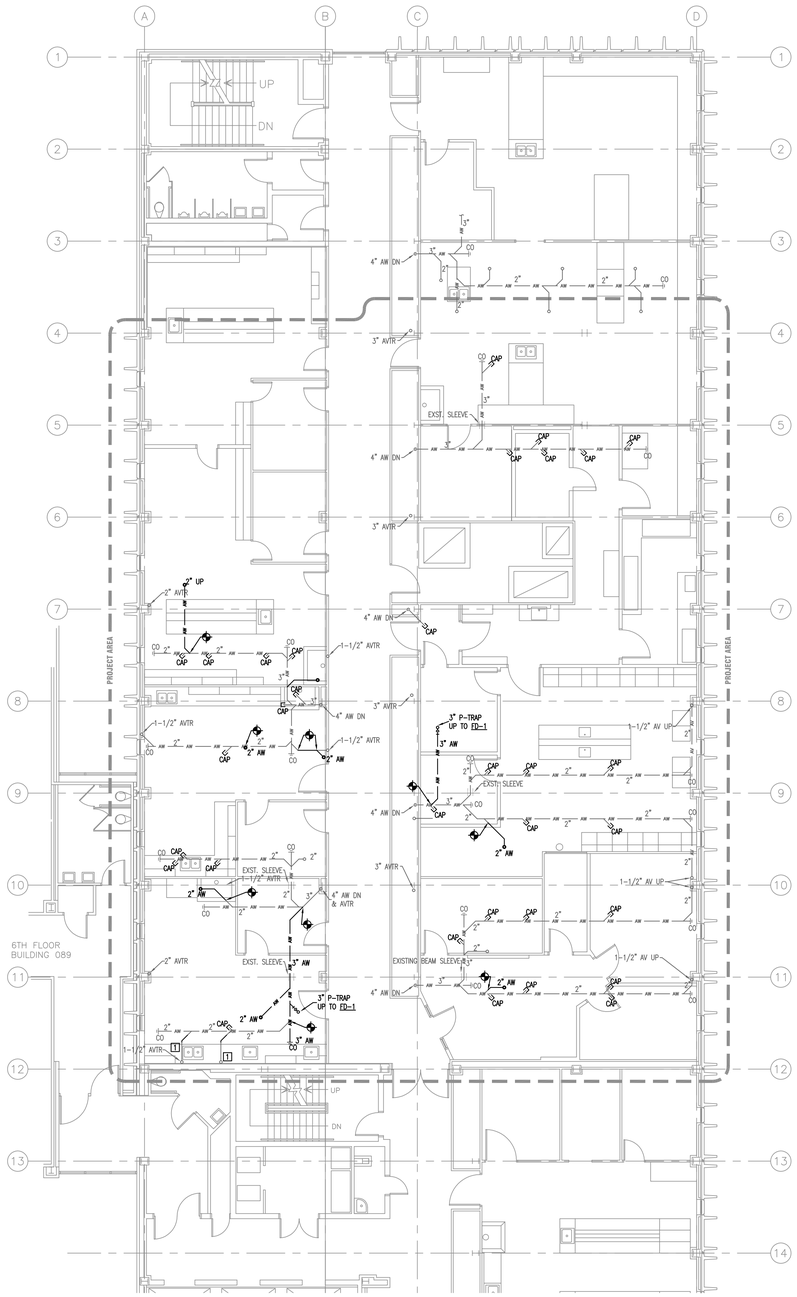
sheet title
PARTIAL SEVENTH FLOOR DEMOLITION PLAN

sheet number
P1.7

drawn by JJR
checked by JWB, RLW

WASTE PIPING NOTES:

1 CONNECT TO EXISTING ACID VENT PIPE

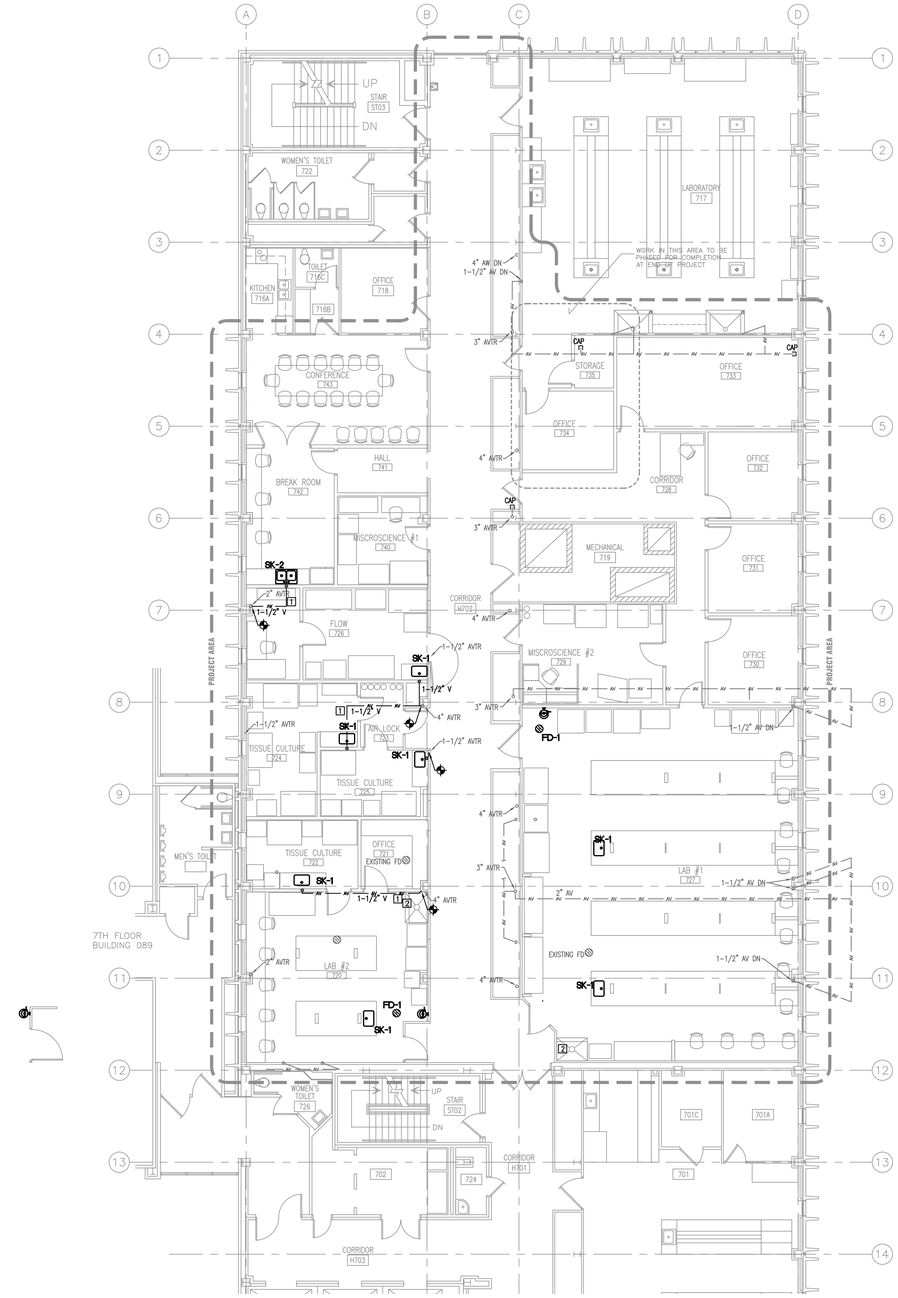


1 PARITAL SIXTH FLOOR PLAN – WASTE & VENT PIPING
1/8"=1'-0"

KEYNOTES:

1 COORDINATE VENT PIPE ROUTING WITH DUCTWORK.

2 STUB UP NEW 2" ACID WASTE LINE FOR NEW FUME HOOD. PC SHALL MAKE FINAL CONNECTION.



2 PARITAL SEVENTH FLOOR PLAN – WASTE & VENT PIPING
1/8"=1'-0"

GMK ASSOCIATES, INC.

Design/Planning/Construction
1201 Main Street, Suite 2100
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consultants

owner

UNIVERSITY OF SOUTH CAROLINA

project name

COKER - 7th FLOOR PHARMACY RENOVATION

State project number

H27- 6101

project number

12023.01

seals/signature

issued for

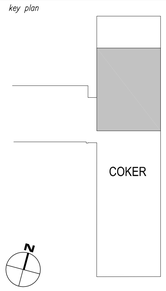
CONSTRUCTION

date

APRIL 23, 2013

number	item	date

key plan



sheet title

PARTIAL SIXTH & SEVENTH FLOOR WASTE & VENT PIPING PLAN

sheet number

P2.7

drawn by JJR

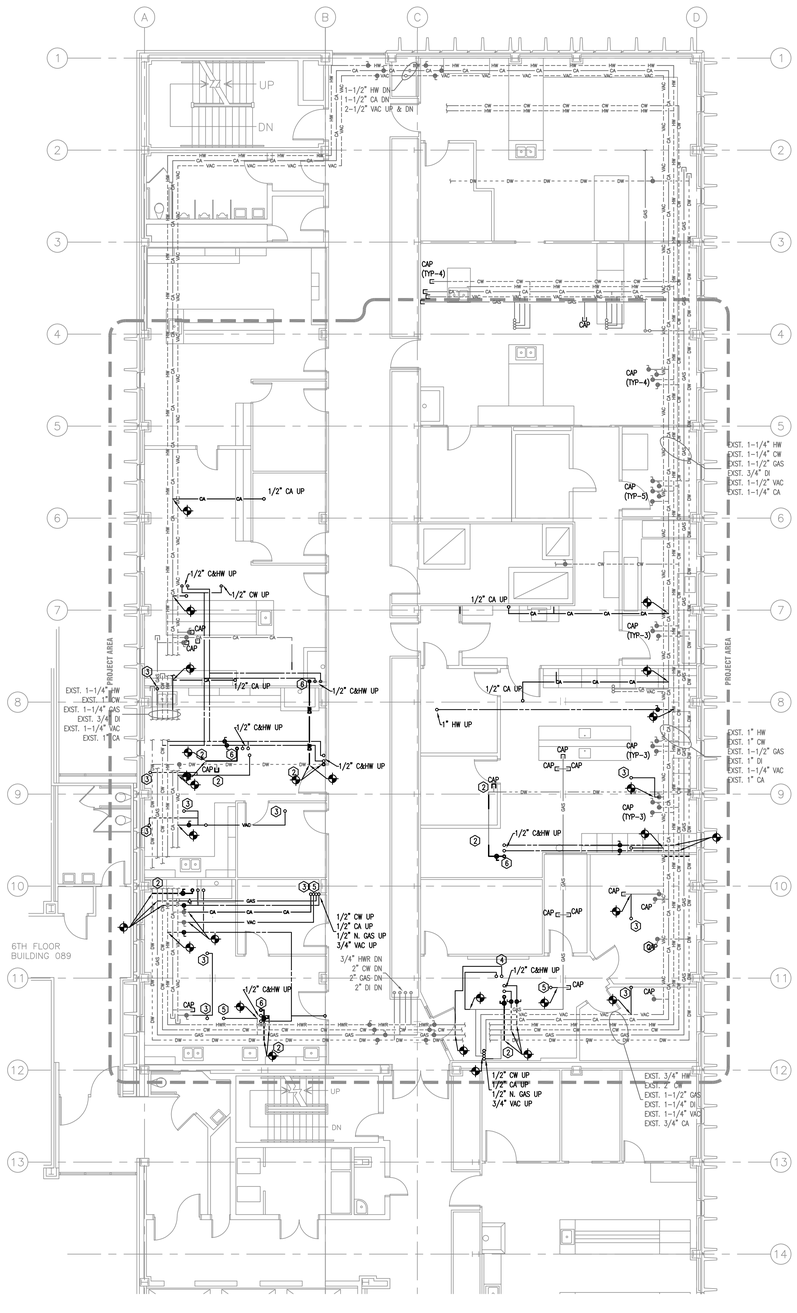
checked by JWB

WATER PIPING NOTES:

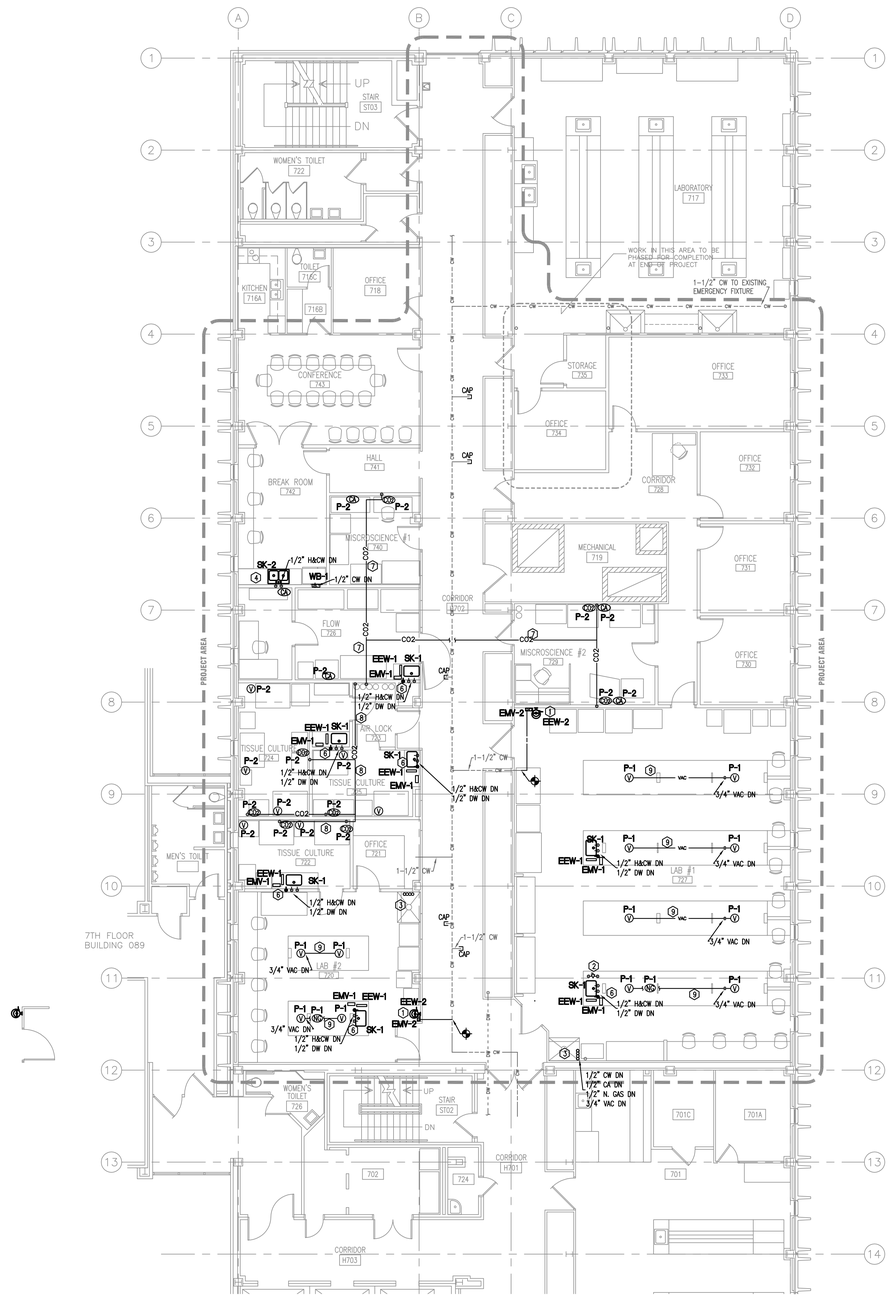
1. REMOVE TEMPORARY CAPS AND CONNECT NEW 3/4" CW & HW SUPPLY PIPING TO EXISTING PIPING BELOW FLOOR.
2. CONTRACTOR SHALL CONNECT TO EXISTING TIN-LINED COPPER DEIONIZED WATER PIPING WITH POLYPROPYLENE PIPE BY COMPRESSION TO FLANGED TRANSITION FITTINGS.
3. 3/4" VAC RISER UP
4. 1-1/4" NATURAL GAS PIPING UP TO NEW GAS CUT-OFF VALVE.
5. 1/2" NATURAL GAS PIPING UP.
6. 1/2" DE-IONIZED WATER UP.

KEYNOTES:

1. EMV-2 LOCATED ABOVE CEILING. 1" HW FROM BELOW 7TH FLOOR.
2. NEW INSTRUCTOR'S GAS CUT OFF VALVE LOCATED IN CASE WORK. PROVIDE LEVER HANDLE BALL VALVE WITH LOCKING TABS. ROUTE PIPING AND LOCATE VALVE TO PROVIDE ACCESS. 1-1/4" GAS.
3. STUB UP NEW 1/2" CW, CA, N. GAS AND 3/4" VAC FOR NEW FUME HOOD. PC SHALL MAKE FINAL CONNECTIONS. LEVER HANDLE BALL VALVES IN VERTICAL RISE ABOVE FLOOR.
4. PC SHALL PROVIDE 1/4" COPPER FOR CW SUPPLY TO COFFEE MAKER. PC SHALL PROVIDE TEE CONNECTION AND TIE INTO CW SUPPLY FROM WB-1.
5. PC PROVIDE GAS MANIFOLD FOR CO2 AND NITROGEN "K" TANKS. COMPRESSED GASES BY OTHERS.
6. TRANSITION FROM TIN-LINED DEIONIZED WATER FAUCET TO ORION POLYPROPYLENE WHITELINE PIPE.
7. PIPING FOR GAS MIX 5% CO2/95% AIR
8. PIPING FOR GAS MIX 100% CO2
9. 3/4" VAC PIPING ROUTED IN CASEWORK.



1 PARITAL SIXTH FLOOR PLAN – WATER & GAS PIPING
1/8"=1'-0"



2 PARITAL SEVENTH FLOOR PLAN – WATER & GAS PIPING
1/8"=1'-0"

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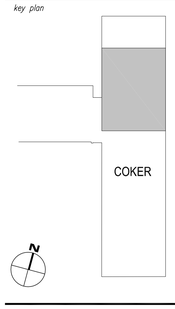

sheet title
PARTIAL SIXTH & SEVENTH FLOOR PLUMBING PIPING

sheet number
P3.7

drawn by JJR
checked by JWB, RLW