

COLUMBIA, SOUTH CAROLINA

COKER 006 - FISH LAB #2 - CLS 006

State Project #H27-Z316
GMK Project #16020.01
DECEMBER 13, 2016
CONSTRUCTION DOCUMENTS

Prepared by:



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- NOTIFY THE ARCHITECT IMMEDIATELY UPON DISCOVERY OF EXISTING CONDITIONS THAT ARE CONTRARY TO THOSE REPRESENTED WITHIN THE DRAWINGS

 ALL NEW VERTICAL AND HORIZONTAL DUCTS, PIPES, CONDUITS, ETC. (WHETHER SHOWN OR NOT) IN FINISHED ROOMS OR REAS THROUGH OUT BUILDING, NOT ENCASED IN MASONRY, METAL OR WOOD CONSTRUCTION SHALL BE FURRED IN, THE FURRING FINISHED TO MATCH ROOM FINISH.

 ALL NEW PARTITIONS, UNLESS OTHERWISE SHOWN OR DETAILED, SHALL BE METAL STUDS OF THICKNESS TO ADEQUATELY COVER PIPING, CONDUITS, ETC.

 PROVIDE AN EDGE STRIP, AS DETAILED, UNDER ALL DOORS WHERE NEW OR EXISTING FINISHES AND ADJACENT FLOOR ARE AT DIFFERENT LEVELS AND WHERE ADJACENT FLOOR FINISHES ARE OF DIFFERENT MATERIALS. SEE DETAIL 6/A0.0.

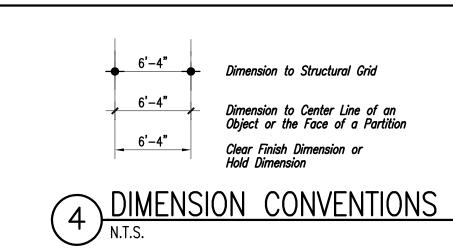
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 ROOM IDENTIFICATION

 5. OFFSET ALL DOORS IN METAL STUD WALLS 6" FROM ADJACENT WALLS 8" IN CAU WALLS 18" IN CAU WALLS
- EXISTING PARTITION TO REMAIN

 EXISTING PARTITION TO BE REMOVED. REFER TO NOTE INDICATED FOR INSTRUCTIONS (ON DEMOLITION PLAN).

 PARTITION SYMBOLS



DOOR & FRAME PLAN SYMBOLS

Exist door & Replace Exist.
Frame to Door In Exist.
Door In Exist.
Frame New Opening

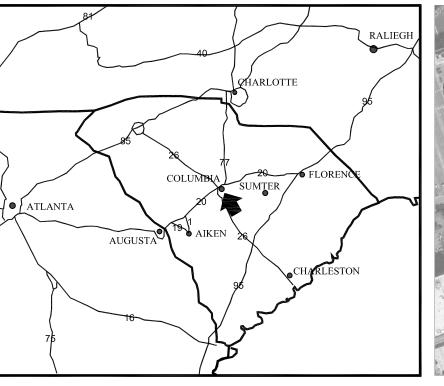
New Opening

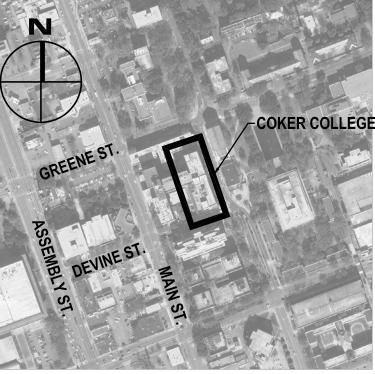
New Opening

Replace exist.
door & frame with new door & Frame.

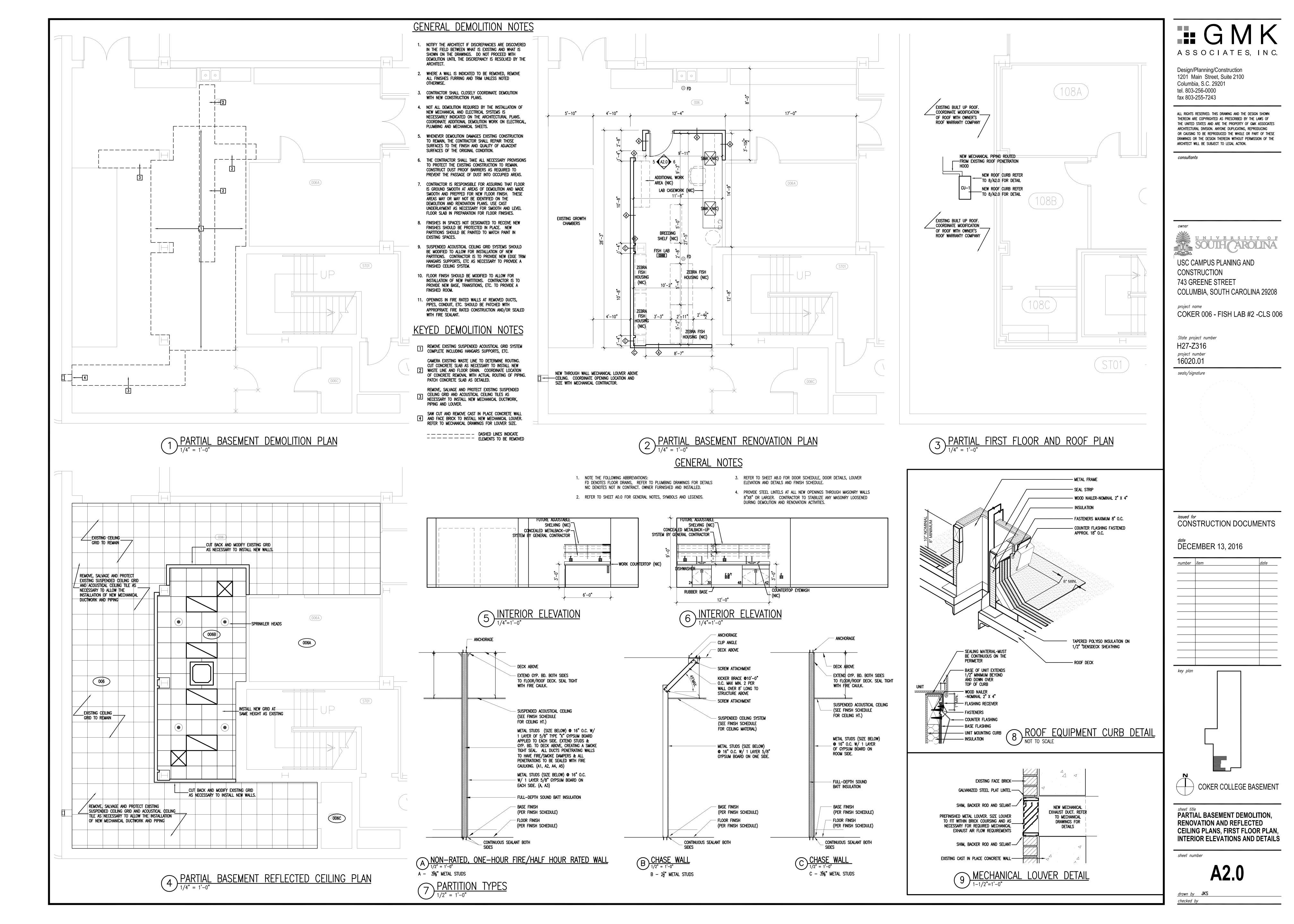
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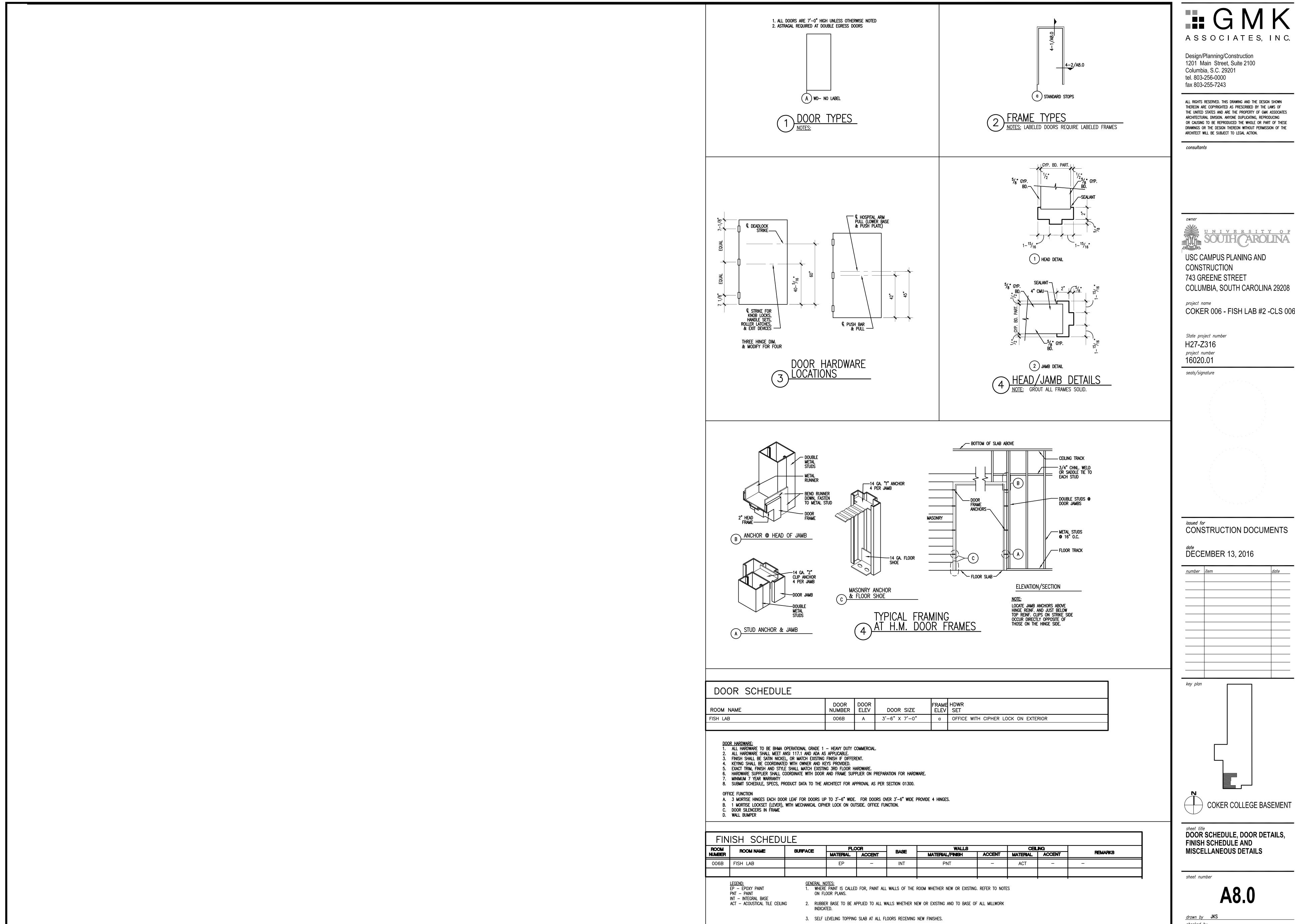
KEY PLAN





SET NO



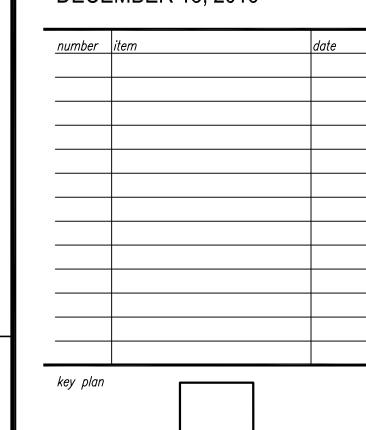


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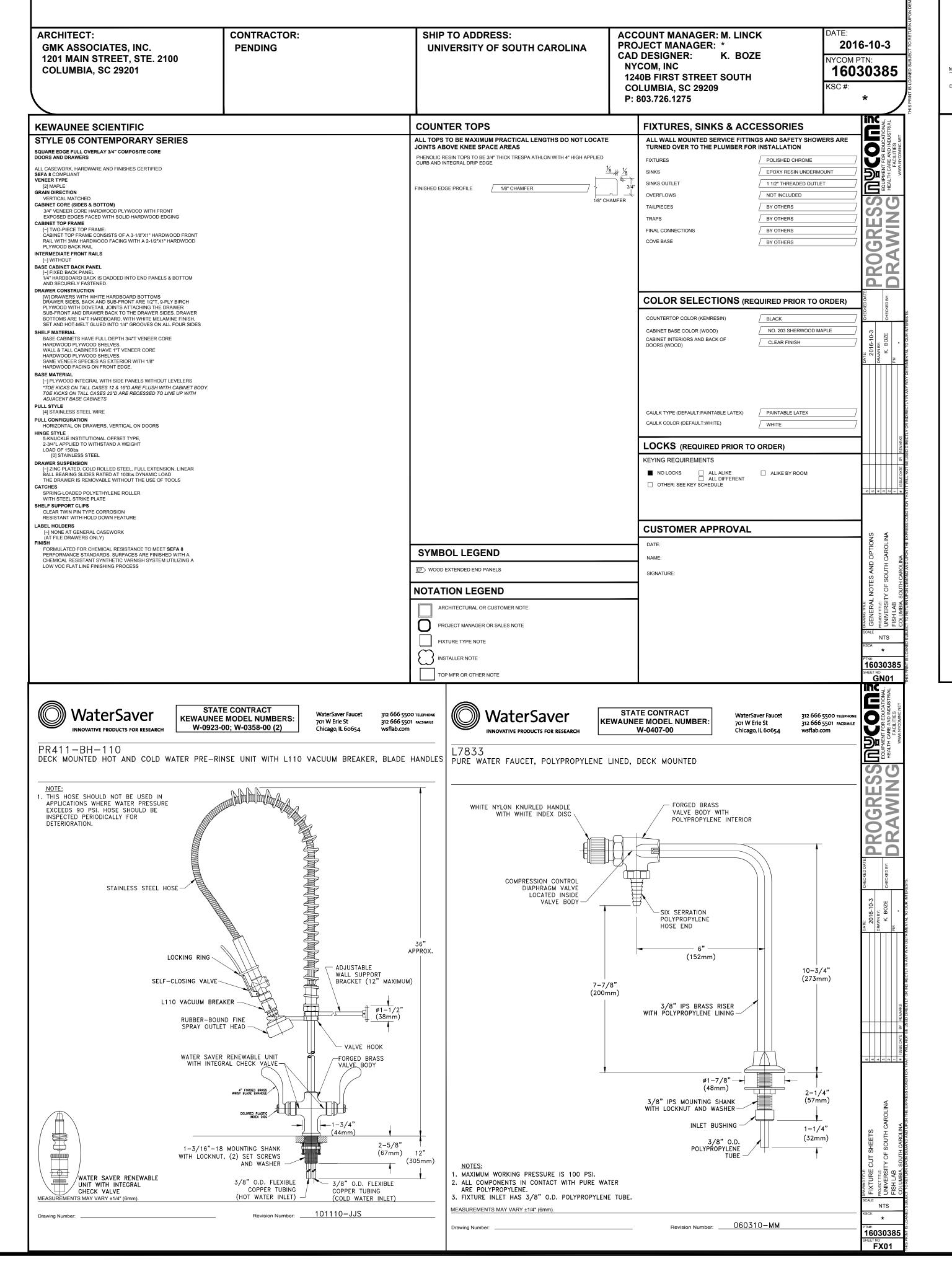


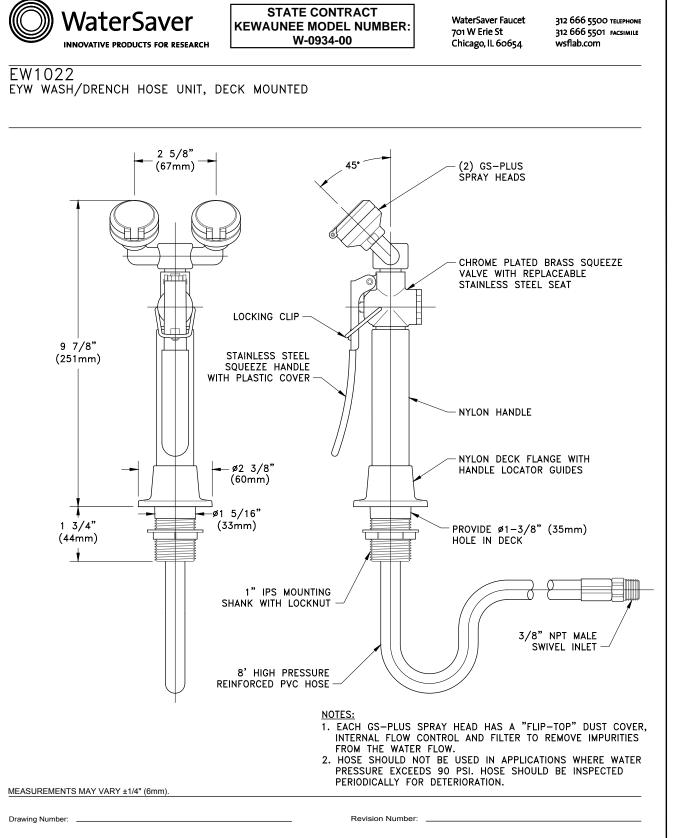
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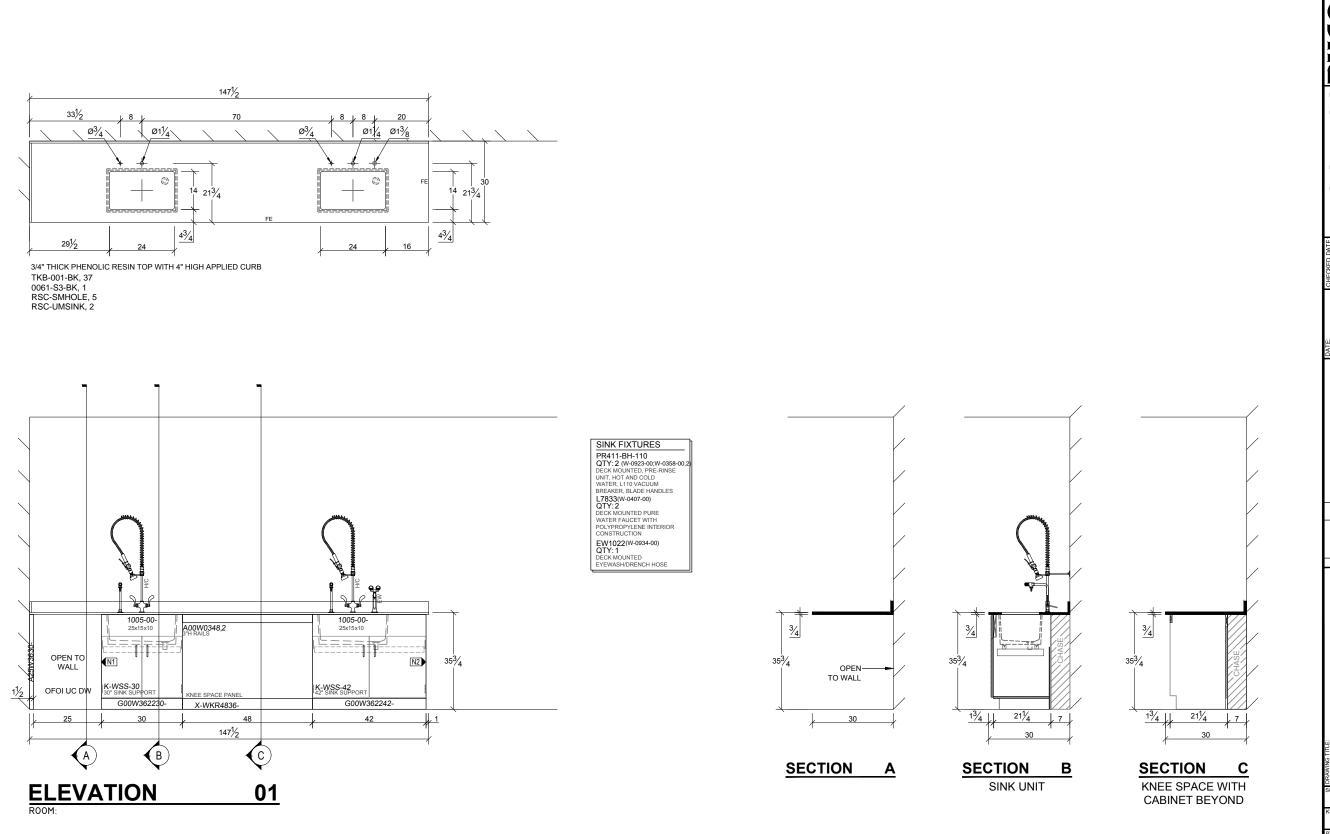




UNIVERSITY OF SOUTH CAROLINA FISH LAB COLUMBIA, SOUTH CAROLINA









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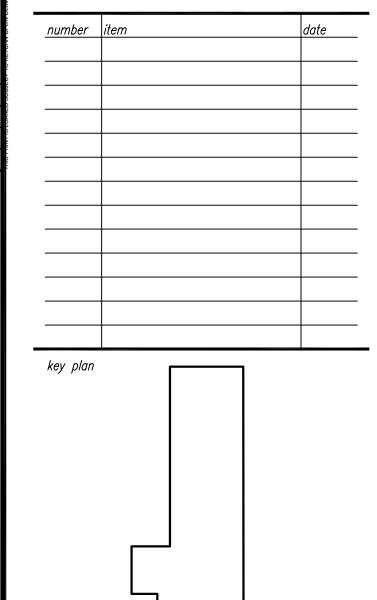
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3/8"=1'-0"





sheet title
LAB CASEWORK SHOP DRAWINGS
(FOR REFERENCE ONLY)

sheet number

V2.0

drawn by JKS checked by

NOTE THAT THIS IS A PERFORMANCE SPECIFICATION REQUIRING THE LICENSED CONTRACTOR WHOM IS AWARDED THE PROJECT SHALL BE RESPONSIBLE FOR ACQUIRING A LICENSED FIRE PROTECTION ENGINEER TO PROVIDE A COMPLETE SPRINKLER SYSTEM DESIGN. THE DESIGN SHALL MEET ALL LOCAL AND INTERNATIONAL BUILDING CODES AS WELL AS MEETING THE MINIMUM REQUIREMENTS SET FORTH BY NFPA CODE BASED ON THE SCOPE AND APPLICABILITY OF THIS PROJECT.

1.10 WARRANTY

PART 2 PRODUCTS

OF SUBSTANTIAL COMPLETION.

A. CORRECT DEFECTIVE WORK WITHIN A ONE YEAR PERIOD AFTER DATE

SYSTEMS SHALL COMPLY WITH NFPA 13 AND ALL APPLICABLE STATE AND LOCAL CODES.

INSPECTIONS AND FINAL APPROVAL BY LOCAL AHJ AND ARCHITECT / ENGINEER.

PART 1 GENERAL

A. N/A

1.01 SECTION INCLUDES

BUILDINGS AND STRUCTURES.

A. THIS SECTION SPECIFIES AUTOMATIC SPRINKLER SYSTEMS FOR

B. THE "WET-PIPE" SYSTEM SHALL EMPLOY AUTOMATIC SPRINKLERS

PIPE ROUTING SHALL BE COORDINATED WITH OTHER TRADES TO MAINTAIN PROPER CLEARANCES. FIRE PROTECTION CONTRACTOR TO VERIFY STRUCTURAL, MECHANICAL, ELECTRICAL INSTALLATIONS AND AVOID ANY / ALL OBSTRUCTIONS OR INTERFERENCE'S WITH FIRE PROTECTION PIPE ROUTING.

PROVIDE APPROVED / LISTED METHODS OF SEALING PENETRATIONS THROUGH SMOKE / FIRE WALLS, CEILINGS, ETC.

REFER TO ARCHITECTURAL REFLECTED CEILING AND ELECTRICAL LIGHTING DRAWINGS FOR CEILING DESCRIPTIONS AND HEIGHTS.

PROVIDE ACCESS PANELS TO ALL VALVES ABOVE NON-ACCESSIBLE CEILINGS AND WALLS. COORDINATE WITH ARCHITECTURAL DRAWINGS.

SPRINKLER HEADS ARE TO BE COORDINATED WITH ALL DIFFUSERS, GRILLES, LIGHTING FIXTURES AND CEILING SYSTEMS.

SPRINKLER HEADS SHALL BE INSTALLED IN THE CENTER OF ACOUSTICAL TILE PANELS.

SHOP DRAWINGS SHALL INDICATE CENTER TO CENTER DIMENSIONS OR PIPE CUT LENGTHS AND NOMINAL PIPE DIAMETERS ON ALL PIPING.

INDICATE PIPE TYPE, SCHEDULE OF WALL THICKNESS AND METHOD OF JOINING ON SHOP DRAWINGS.

PROVIDE THE ROOM NAMES FOR EACH AREA ON SHOP DRAWINGS.

PROVIDE STOCK OF EXTRA SPRINKLER HEADS IN ACCORDANCE WITH NFPA 13 6.2.9.

SHOP DRAWINGS SHOULD PROVIDE DETAIL AND INDICATE TYPE OF HANGER TO BE INSTALLED FOR SPRINKLER PIPING.

THREADED PIPE SHALL BE STEEL, SCHEDULE 40, BLACK AND IN ACCORDANCE WITH SPECIFICATION ASTM A120.

THREADED SCHEDULE 40 BLACK STEEL PIPE SHALL BE JOINED BY SCREWED JOINTS IN ACCORDANCE WITH SPECIFICATION ANSI B2.1.

GROOVED PIPE SHALL BE STEEL, SCHEDULE 10 OR SCHEDULE 40, BLACK.

AUTOMATIC SPRINKLER TEMPERATURE RATINGS TO BE IN ACCORDANCE WITH NFPA 13.

METHODS OF HANGING PIPES, HEADERS AND BRANCHES SHALL BE APPROVED BY NFPA 13. HANGERS SHALL NOT INTERFERE WITH ANY OTHER TRADE.

PROVIDE A PERMANENTLY ATTACHED NAME TAG STATING THE REQUIRED DESIGN CRITERIA FOR EACH HYDRAULICALLY DESIGNED SYSTEM.

SPRINKLERS SHALL COVER THE ENTIRE AREA OF THE ROOM INCLUDING ALCOVES. SPRAY SHALL NOT BE BLOCKED BY WALLS OR PARTITIONS.

THE FIRE PROTECTION CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT / ENGINEER OF ANY DISCREPANCIES FOUND BETWEEN THESE PLANS, THE ARCHITECTURAL PLANS AND / OR FIELD CONDITIONS PRIOR TO CONSTRUCTION.

MAKE NO CHANGES WITHOUT ARCHITECT / ENGINEER'S WRITTEN PERMISSION. IN CASE OF DISPUTE OR DOUBT AS TO INTENT OF DRAWINGS OR SPECIFICATIONS, OBTAIN ARCHITECT / ENGINEER'S DECISION BEFORE PROCEEDING WITH WORK INVOLVED. FAILURE TO FOLLOW THIS INSTRUCTION SHALL MAKE THE CONTRACTOR LIABLE FOR DAMAGE TO OTHER WORK AND FOR REMOVING AND REPAIRING DEFECTIVE OR MISLOCATED WORK IN PROPER MANNER.

BEFORE SUBMITTING PROPOSAL OF BID, FIRE PROTECTION CONTRACTOR SHALL EXAMINE ALL DRAWINGS AND SPECIFICATIONS RELATING TO THIS PROJECT, THE AMOUNT OF SPACE AVAILABLE FOR PIPING EQUIPMENT AND CONNECTING SERVICES, THE SITE OF THE WORK, THE REQUIREMENTS TO CORRELATE THE FIRE PROTECTIONS WORK WITH THAT OF OTHER TRADES, AND THE TIME SCHEDULE NECESSARY TO PERFORM THE WORK.

FIRE PROTECTION CONTRACTOR, AFTER EXAMINATION OF ALL PLANS AND SPECIFICATIONS, SHALL INCLUDE ALL THE COSTS NECESSARY FOR A COMPLETE AND FINISHED INSTALLATION IN ALL ASPECTS. IT IS THE INTENT THAT ALL COSTS FOR THE WORK REQUIRED BE INCLUDED IN THE BID OF THE FIRE PROTECTION

VERIFY THE VIABILITY OF THE MOST HYDRAULICALLY REMOTE AREAS OF THE PROJECT THAT INCLUDE RENOVATIONS TO THE SPRINKLER SYSTEM VIA HYDRAULIC CALCULATIONS. HYDRAULIC IMBALANCE SHALL NOT EXCEED 0.01 GPM AT A NODE. AND WATER VELOCITY SHALL NOT EXCEED 25 FEET PER SECOND. DEMONSTRATE COMPLIANCE WITH THE REQUIREMENTS OF NFPA 13 REGARDING DENSITY, AREA OF COVERAGE, SELECTION OF HYDRAULICALLY REMOTE AREAS, AND MAXIMUM COVERAGE PER SPRINKLER.

MAX. COVERAGE PER SPRINKLER: 225 SQ. FT.

GENERAL RENOVATION NOTES:

B. PIPING INSTALLATIONS:

INSTALL PIPING AS INDICATED.

1. LOCATIONS AND ARRANGEMENTS: DRAWINGS (PLANS, SCHEMATICS,

ARRANGEMENT OF PIPING SYSTEMS. SO FAR AS PRACTICAL,

AND DIAGRAMS) INDICATE THE GENERAL LOCATION AND

MODIFY THE EXISTING FIRE SPRINKLER SYSTEM TO ACCOMMODATE THE NEW ZEBRAFISH LAB ADDITION AS INDICATED ON THIS DRAWING TO MAINTAIN AN NFPA COMPLIANT INSTALLATION.

2. ANY ADDITIONAL SPRINKLERS INSTALLED SHALL BE NEW AND SHALL MATCH THE CHARACTERISTICS OF THE EXISTING SPRINKLERS IN THE SPACE, INCLUDING SPRINKLER FINISH, K-FACTOR, THREAD SIZE, COVERAGE TYPE, RESPONSE TYPE, STYLE, AND TEMPERATURE RATING.

3. EXISTING SPRINKLERS THAT ARE REMOVED SHALL NOT BE REINSTALLED.

4. CONTRACTOR SHALL VERIFY SYSTEM DEMAND VIA HYDRAULIC CALCULATIONS AS DESCRIBED IN THE FIRE SPRINKLER SPECIFICATIONS FOR THE MOST REMOTE AREAS THAT INCLUDE RENOVATIONS TO THE FIRE SPRINKLER

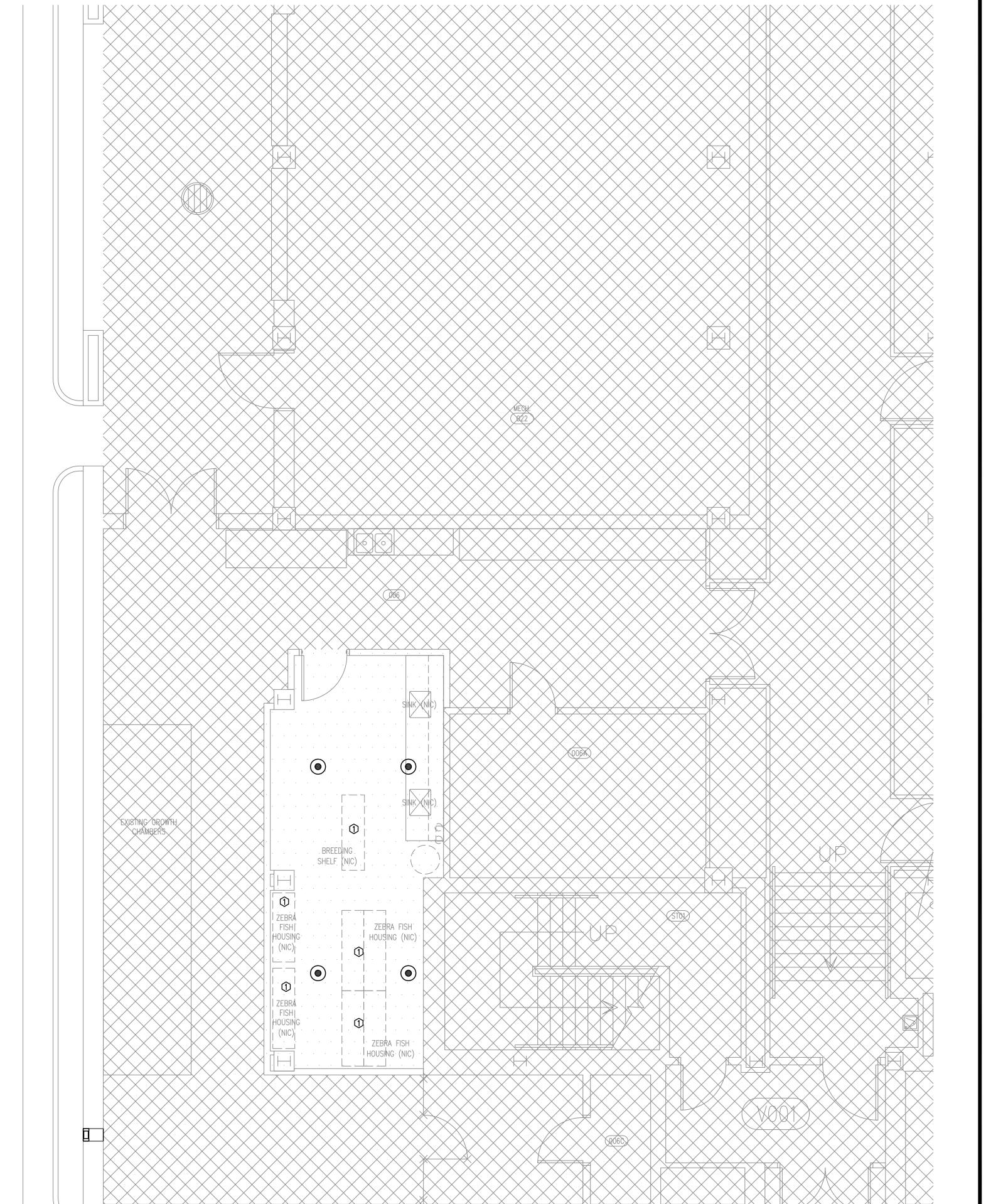
5. FIRE SPRINKLER RENOVATIONS ARE LIMITED TO THE RENOVATED AREAS INDICATED ON THIS DRAWING.

FIRE PROTECTION LEGEND AREA OF SPRINKLER RENOVATIONS NO WORK THIS AREA **NEW SPRINKLER***

*SPRINKLER LOCATIONS SHOWN ON DRAWING ARE APPROXIMATE.

KEYED RENOVATION NOTES:

(1) SPACE SPRINKLERS PER NFPA 13 TO MAINTAIN COMPLETE COVERAGE AROUND THE TALL RACKS INSIDE THE ZEBRAFISH LAB. REFERENCE ARCHITECTURAL DRAWINGS FOR RACK ELEVATIONS AND COORDINATE WITH RACK INSTALLERS.



<u>ARTIAL BASEMENT FIRE PROTECTION RENOVATIONS</u>

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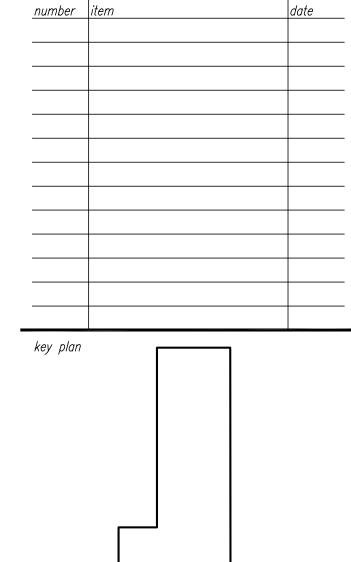
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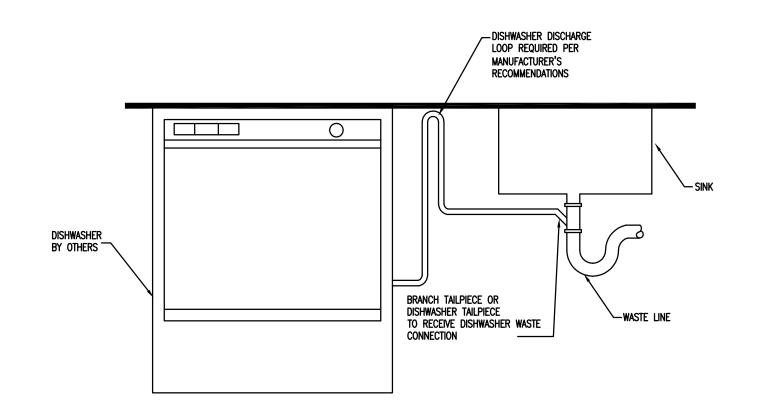


COKER COLLEGE BASEMENT PARTIAL BASEMENT FIRE PROTECTION

sheet number

RENOVATIONS

drawn by JDK checked by JWB



DISHWASHER WITH DISHWASHER TAILPIECE FITTING

NTS

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.
- CONFIRM OR VERIFY EXACT LOCATION AND ACTUAL INVERT OF 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 22 OF THE SPECIFICATIONS AND EQUIPMENT SCHEDULE FOR PLUMBING EQUIPMENT, MATERIALS, PIPING,
- 7. REFERENCE PLUMBING FIXTURE CONNECTION SCHEDULE ON DRAWING THIS SHEET 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.
- 10. ALL DRAINAGE PIPING AND PRESSURE SYSTEM PIPING SHALL BE RUN AS HIGH AS POSSIBLE TO BOTTOM OF STRUCTURE, UNLESS NOTED

CONTRACTOR SHALL PROVIDE HANGERS AND SUPPORTS FOR SEISMIC RESTRAINT PER THE 2015 INTERNATIONAL BUILDING CODE.

- OTHERWISE. COORDINATE PIPE ROUTING WITH ALL OTHER TRADES.

 11. THE FOLLOWING PLUMBING SYSTEMS SHALL BE INSULATED: COLD WATER, HOT WATER.
- 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. PLUMBING CONTRACTOR TO MAKE FINAL CONNECTIONS ON ALL LAB FIXTURES.

THEY WERE INCORRECTLY LOCATED.

- 23. PROVIDE WATTS #7C BACKFLOW PREVENTER AND DOWN STREAM OF DUAL OUTLET SHUT OFF VALVE FOR DISHWASHER.
- 24. 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.
- 25. CONTRACTOR SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS INSOFAR AS THEY APPLY: NFPA 54, 2015 INTERNATIONAL BUILDING, GAS, PLUMBING AND MECHANICAL CODES.
- 26. CONTRACTOR SHALL SECURE ALL PERMITS, INSPECTIONS, LICENSES AND TESTS REQUIRED FOR THIS WORK AND PAY ALL FEES IN CONNECTION THEREWITH.
- 27. 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

 28. 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.
- 29. 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
- 30. 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.

PLUMBING LEGEND										
SYMBOL	DESCRIPTION		SYMBOL	DESCRIPTION						
	COLD WATER LINE — NEW (CW)		<u></u>	P-TRAP						
cw	COLD WATER LINE — EXISTING (CW)			END CAP						
	HOT WATER LINE — NEW (HW)			UNION						
нw	HOT WATER LINE - EXISTING (HW)		со —	INLINE CLEANOUT						
SAN	SANITARY WASTE LINE — UNDERGROUND — NEW (S/W)		SA-A	SHOCK ABSORBER & TYPE						
SAN	SANITARY WASTE LINE — EXISTING (W)		FD 🔘	FLOOR DRAIN						
	SANITARY VENT LINE — NEW (V)		FCO 🛞	FLOOR CLEANOUT						
	SANITARY VENT LINE — EXISTING (V)			BALL VALVE						
ST	STORM DRAINAGE LINE — EXISTING (ST)			BALANCING VALVE						
——— AW ———	ACID WASTE LINE — EXISTING (AW)			CHECK VALVE						
— —AV— —	ACID WASTE VENT LINE — EXISTING (AV)		+	POINT OF CONNECTION — NEW TO EXISTING						
—— GAS ——	NATURAL GAS LINE — EXISTING (G)			AREA TO BE DEMOLISHED						
	PIPE DOWN OR DROP (DN OR DROP)			WALL BOX						
	PIPE UP			RECIRCULATION PUMP						
	PIPE BREAK OR CONTINUATION			PRV						
	BACKFLOW PREVENTER									

FIXT	URE :	SIZE :	SCHE	DULE
MARK	WASTE	VENT	CW	HW
SK	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

PLUMBING FIXTURE SCHEDU	JLE
FD-1; FLOOR DRAIN (MED TRAFFIC ROUND TOP) 1. TYPE A. SIMILAR TO J.R. SMITH 2005—A CAST IRON DRAIN WITH FLANGE, INTEGRAL CLAMPING COLLAR, SEEPAGE FLANGE. 2. TOP A. 6" ROUND SATIN NICKEL BRONZE. 3. CONNECTION A. AS SHOWN. 4. TRAP A. CAST IRON DEEP SEAL, TRAP GUARD PROSET ELASTOMERIC INSERT.	
EMV-1; EMERGENCY MIXING VALVE 1. VACUUM BREAKER A. SIMILAR TO WATERSAVER IN-LINE VACUUM BREAKER BETWEEN VALVE AND SPRAY HEADS 2. MIXING VALVE, EMV-1 A. SIMILAR TO WATERSAVER AP3602 EMERGENCY THERMOSTATIC MIXING VALVE. B. WALL MOUNT BELOW CASE	
HB-1; HOSE BIB (INTERIOR RECESSED NARROW WALL) 1. TYPE A. WOODFORD #79. 2. FINISH A. SATIN CHROME. 3. KEY A. LOOSE TYPE HANDLE. 4. INLET A. 3/4" CW. 5. OUTLET A. 3/4" HOSE. 6. MOUNTING A. 36" AFF OR AS SHOWN.	
SK-1; LABORATORY SINK DRAIN 1. DRAIN A. CHARLOTTE PIPE AW-1A ACID WASTE. 2. TRAP A. ACID WASTE.	

	ABBREVIA		
ABV AD AFF BFP CI CONN CW DI DN ELEV ET EWC-# FD FL FT GPM HWR IE L-# MA MAX MIN MPT MSB-# N/A	Above Access Door Above Finished Floor Backflow Preventer Cast Iron Column Line Connection Cold Water De—ionized Water Down Elevation Expansion Tank Electric Water Cooler Floor Drain Floor Feet Gallons Per Hour Gallons Per Minute Hot Water Hot Water Hot Water Hot Water Hot Water Lavatory Medical Air Maximum Minimum Male Pipe Thread Mop Sink Basin Not Applicable	NC NIC NO NPT NTS OFST OX PRV PSI RD SH -# SS STD TEMP TOS TYP VAC VB VTR WB-# WC-#	Normally Closed Not in Contract Normally Open National Pipe Thread Not To Scale Over Flow Storm Drain Oxygen Pump — No. Pressure Reducing Valve Pounds Per Square Inch Roof Drain Shock Absorber Shower Sink Stainless Steel Storm Drain Standard Temperature Top of Steel Typical Urinal Vacuum

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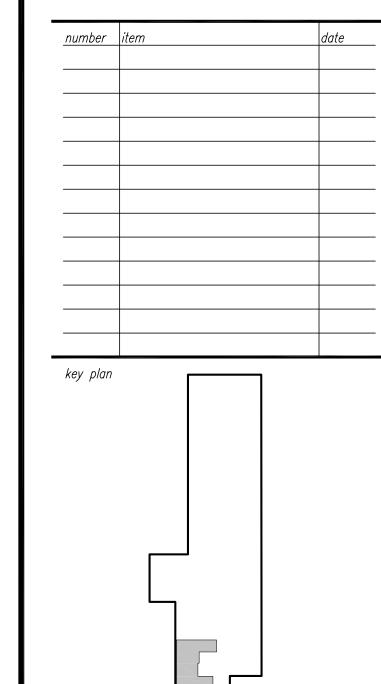
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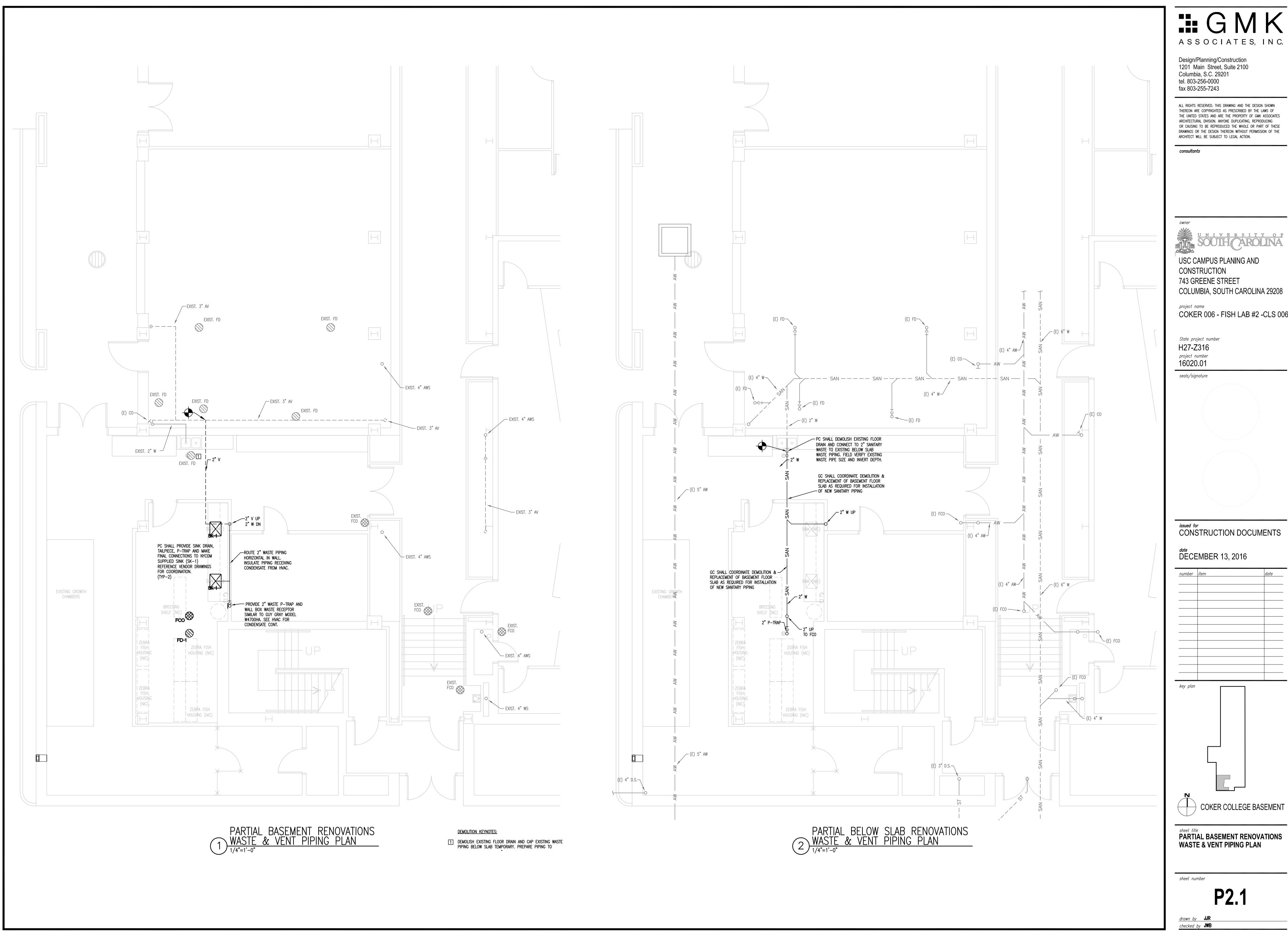


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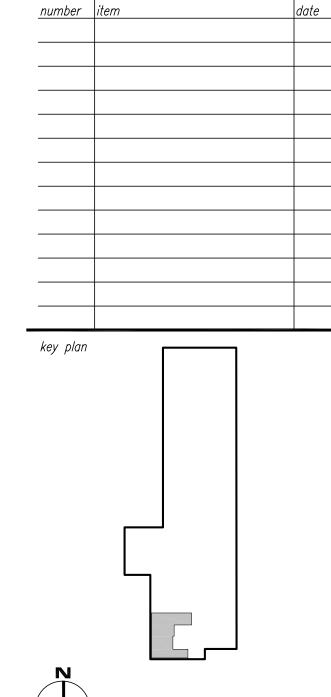


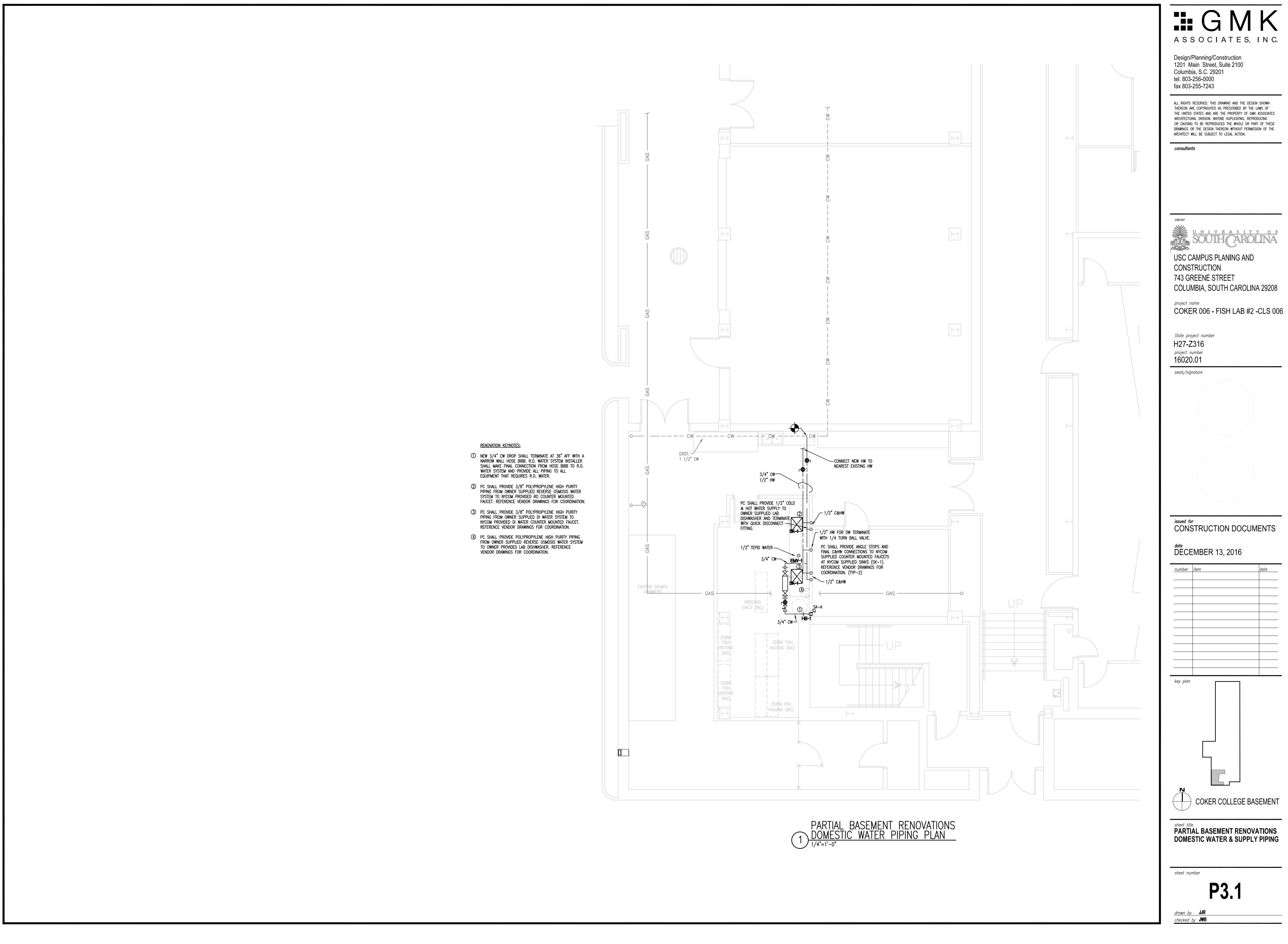
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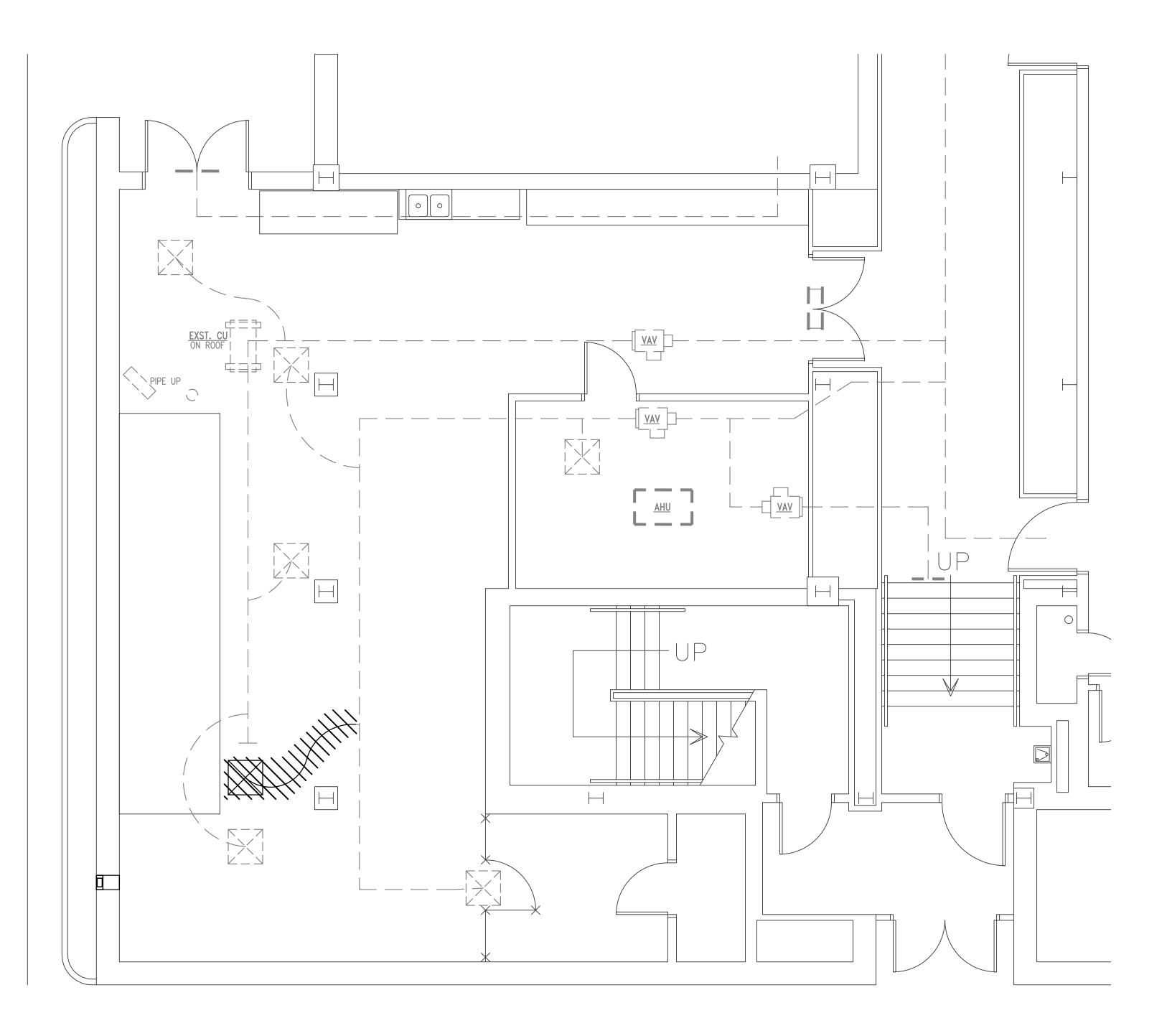


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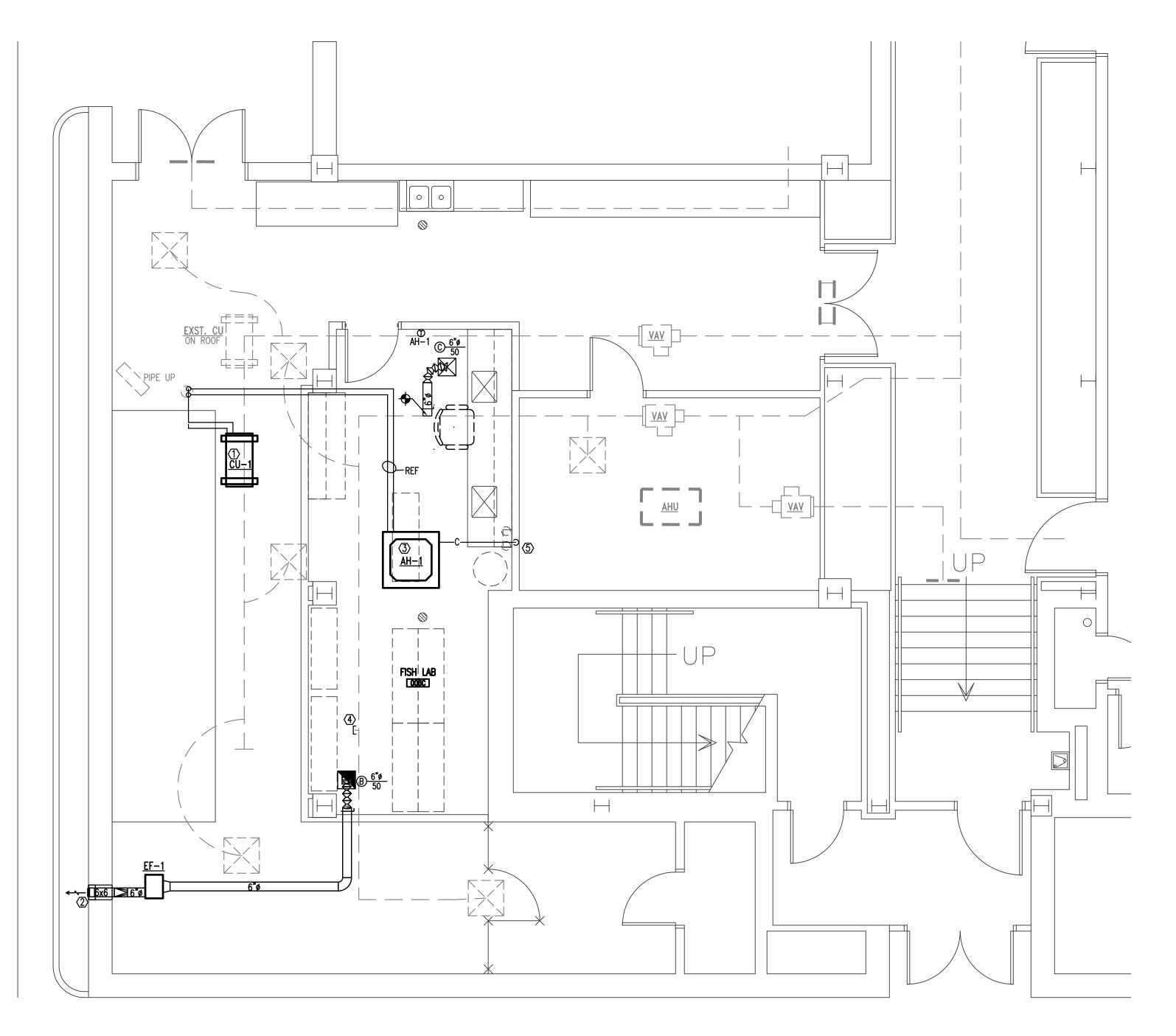
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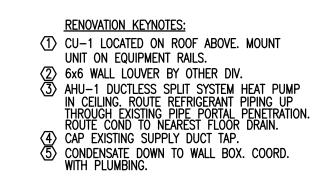






BASEMENT FLOOR HVAC DUCTWORK RENOVATION

1/4"=1'-0"





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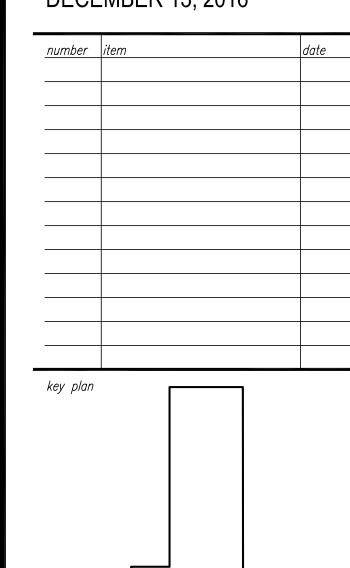
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DECEMBER 13, 2016





sheet title
BASEMENT LEVEL
HVAC DEMOLITION AND
RENOVATION PLAN

sheet number

M2.1

drawn by JWB

MECHANICAL GENERAL NOTES

- DO NOT SCALE DRAWINGS; SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, CEILING DIFFUSERS, ETC.
 EXTEND ALL DRAIN LINES TO NEAREST FLOOR DRAIN OR
- AS INDICATED. ROUTE TO AVOID INTERFERENCE WITH PASSAGEWAYS. CONDENSATE DRAINS SHALL BE TRAPPED. SLOPE DRAIN LINES 1/8" PER FOOT.

 3. ALL PIPING SHALL PITCH DOWN IN DIRECTION OF FLOW OR
- AS INDICATED ON DRAWINGS: 1" PER 40 FEET WITH
 MANUAL AIR VENTS AT ALL HIGH POINTS, AND 3/4" DRAIN
 VALVES AT ALL LOW POINTS.

 4. ALL PIPING AND DUCTWORK INSULATION SHALL BE RUN
- CONTINUOUSLY THROUGH FLOORS, ROOFS AND PARTITIONS EXCEPT WHERE PROHIBITED BY FIRE CODES.

 5. LOCATE ALL THERMOSTATS HUMIDISTATS AND SWITCHES
- 5. LOCATE ALL THERMOSTATS, HUMIDISTATS AND SWITCHES 4'-0" ABOVE FINISH FLOOR; ALIGN WITH LIGHT SWITCHES.
 6. EXTEND DRAIN LINES FROM RELIEF VALVES TO 2" ABOVE
- NEAREST FLOOR DRAIN OR AS INDICATED.

 7. ALL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE SPECIFICATIONS AND FURTHER SUPPORTS OR HANGERS SHALL BE ADJACENT TO ELBOWS, TO PREVENT WEIGHT OF PIPING BEING PLACED ON THE EQUIPMENT. SUPPORT DETAILS SHALL BE SUBMITTED TO THE
- MECHANICAL ENGINEER.

 8. ALL PIPING AND DUCTWORK LOCATIONS SHALL BE COORDINATED WITH THE WORK UNDER OTHER DIVISIONS OF
- THE SPECIFICATIONS TO AVOID INTERFERENCE.

 9. AIR DISTRIBUTION SYSTEMS WITH MORE THAN ONE BRANCH, OR MULTIPLE OUTLETS ON A BRANCH, SHALL HAVE VOLUME DAMPERS TO BALANCE AIR FLOWS. SPIN—IN FITTINGS ARE PERMITTED FOR CONNECTING FLEX DUCT TO BRANCH OR TRUNK DUCTS WHERE FLEX DUCTS ARE
- INDICATED. IF FLEX DUCT CANNOT BE CONNECTED WITH A SPIN—IN, A HARD DUCTED TAKEOFF MUST BE PROVIDED.

 10. ALL PIPING, DUCTS, VENTS, ETC. EXTENDING THRU EXTERIOR WALLS AND ROOFS SHALL BE FLASHED AND
- COUNTERFLASHED.

 11. PROVIDE ALL TRANSITIONS REQUIRED FOR INSTALLATION OF DUCT, DUCT HEATERS, AIR VOLUME CONTROLLERS, FAN COIL UNITS, EXHAUST FANS, SUPPLY FANS, AND ALL
- OTHER EQUIPMENT AND APPURTENANCES.

 12. ALL DUCT IS GALVANIZED SHEET METAL EXCEPT AS NOTED.
- 13. DUCT SIZES ARE CLEAR INSIDE DIMENSIONS.
 14. AIR DISTRIBUTION UNITS SHALL HAVE TRIM REQUIRED FOR
- FINISHED SERVICE.

 15. COORDINATE ORIENTATION OF SUPPLY AND RETURN PIPING
- BEFORE FABRICATION.

 16. PROVIDE DIELECTRIC FITTINGS AT ALL LOCATIONS WHERE DISSIMILAR METALS ARE JOINED IN PIPING AND DUCT

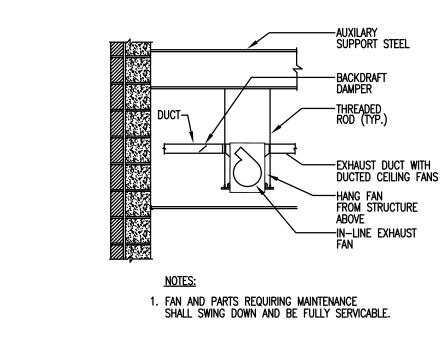
MECHANICAL DEMOLITION NOTES

- 1. DRAWINGS SHOW GENERAL INTENT OF DEMOLITION.
 QUANTITIES, LOCATIONS, SIZES AND EQUIPMENT ARE SHOWN TO
 INDICATE TYPE OF SYSTEM INSTALLED AND DOES NOT
 NECESSARILY REPRESENT EXACT CONDITIONS. CONTRACTOR
 SHALL FIELD VERIFY BEFORE BIDDING.
- 2. DEMOLITION OF EQUIPMENT, SYSTEMS, AND COMPONENTS SHALL INCLUDE ALL SUPPORTS, PADS, HANGERS, INSULATION, CONTROLS, STARTERS, ACCESSORIES, AND APPURTENANCES NOT REQUIRED FOR THE INSTALLATION OF THE NEW SYSTEM.
- 3. WHEN PARTIAL DEMOLITION OF A SYSTEM IS INDICATED, THE PART OF THE SYSTEM SHOWN TO REMOVED SHALL BE REMOVED TO THE ACTIVE MAIN OR BRANCH IF NOT REQUIRED FOR THE INSTALLATION OF THE NEW SYSTEM. THE ACTIVE MAIN OR BRANCH SHALL BE REPAIRED TO MATCH NEW INSTALLATION AS MUCH AS PRACTICAL. IF SYSTEM IS INSULATED, INSULATION SHALL BE PATCHED AND FINISHED REPAIR (IE: VAPOR BARRIER, COATING, ETC.)
- 4. PATCHING OF BUILDING STRUCTURES AND FINISHES SHALL PERTAIN TO ALL WALLS, FLOORS, SLABS, ROOFS, STRUCTURES, AND FINISHES. PATCHES SHALL MATCH EXISTING STRUCTURE, FIRE RATING AND FINISH.
- 5. ALL OPENINGS CREATED BY THE ABANDONMENT OR REMOVAL OF EXISTING SYSTEMS SHALL BE PATCHED.
- 6. ALL WALLS, ROOFS, SLABS, STRUCTURES, AND FINISHES WHOSE FINISH IS IRREGULAR DUE TO THE REMOVAL OF SYSTEMS, SUPPORTS, PADS, ACCESSORIES, AND APPURTENANCES SHALL BE PATCHED.
- 7. ALL FINISHES SHALL MATCH EXISTING FINISH. WHEN FINISH OBVIOUSLY DOES NOT MATCH EXISTING FINISH SUCH AS SHADE OF PAINT, AGE OF FINISH, ETC., THE FINISH SHALL BE APPLIED TO THE PATCH AND THE SURFACE IN ALL DIRECTIONS UNTIL A SURFACE CHANGE OF A MINIMUM OF 45 DEGREES.
- 8. REMOVAL OF SYSTEMS SHALL INCLUDE COMPLETE SYSTEM WHENEVER PRACTICAL. IF NOT, SYSTEM (IE: PIPE, CONDUIT, ETC.) SHALL BE REMOVED TO 1 INCH BELOW SURFACE.

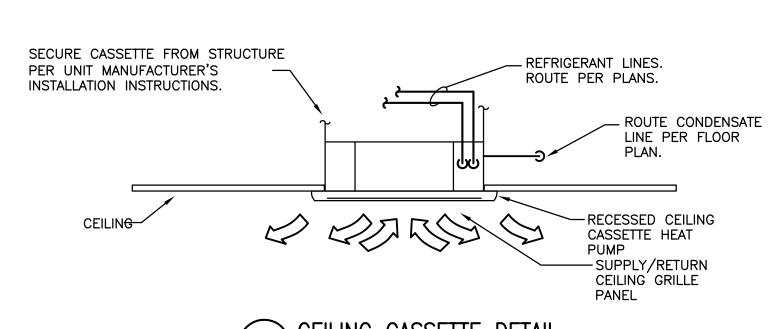
	DUCTLESS SPLIT SYSTEM SCHEDULE																							
	INDOOR UNIT (AIR HANDLER) OUTDOOR UNIT								COOLING			HEATING												
TAG	CAPACITY CFM	TYPE	MINIMUM O.A.	CAPACITY SENSIBLE	′ (MBH) TOTAL	EXTERNAL S.P. (IN. W.G.)		LECTRICAL VOLTS/PHASE	MANUFACTURER	MODEL	TAG	COMPR RLA	RESSOR NO.	_	LECTRICAL VOLTS/PHASE	MANUFACTURER	MODEL	OUTDOOR DB/WB (*F)	TOTAL (MBH)	SEER	OUTDOOR DB/WB (°F)	TOTAL (MBH)	HSPF/COP	REMARKS
AH-1	490	CEILING			24		1	208/1	MITSUBISHI	PLA-A24BA6	CU-1		1	18	208/1	MITSUBISHI	PUZ-A24NHA6	95/75	24	14	47	28	2.96	1,2,3,5
1. VERIF 2. SINGI	VERIFY VOLTAGE PRIOR TO ORDERING EQUIPMENT 3. PROVIDE REMOTE MOUNTED THERMOSTAT 5. UNIT BY FAULKNER HAYNES (803) 926–9229 SINGLE POINT CONNECTION 4. NOT USED																							

	AIR DISTRIBUTION SCHEDULE											
TAG	DESCRIPTION	NECK	MODULE SIZE	MOUNT	CONSTR.	MFGR	MODEL	NOTES				
Α	SQUARE PLAQUE CEILING SUPPLY	AS SHOWN	12x12	SURFACE	ALUMINUM	PRICE	SERIES ASPD	2,3				
В	PERFORATED CEILING RETURN/EXHAUST	AS SHOWN	12x12	SURFACE	ALUMINUM	PRICE	SERIES APDDR	3				
	1. FURNISH WITH OPPOSED BLADE DAMPER 3. BAKED ENAMEL OFF—WHITE FINISH 2. 4—WAY DEFLECTION UNLESS NOTED OTHERWISE											

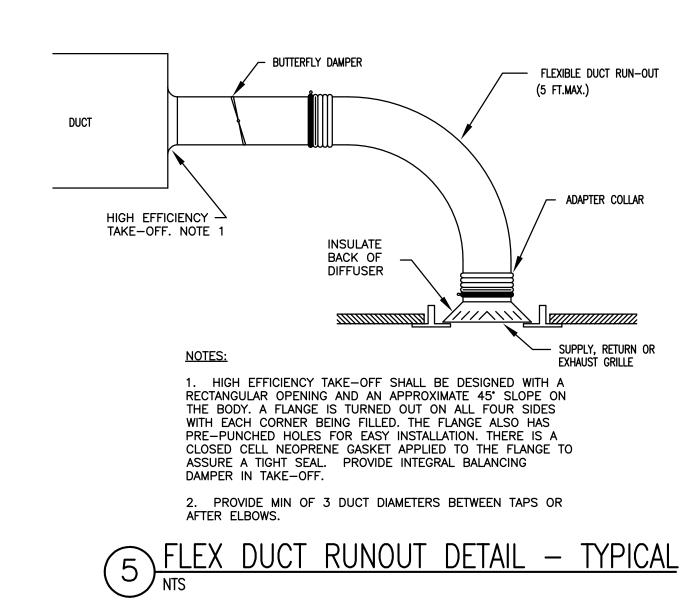
FAN SCHEDULE												
TAG	TYPE	CAPACITY CFM	SOUND	E.S.P. (IN. WG.)	FAN RPM	DM		ELECTRICAL (VOLTS/PHASE)	MANUFACTURER	MODEL NO.	NOTES	
	IN II IN IE			, ,		WATTS		, , ,	0001	011 400	2749	
EF-1	INLINE	50		.375	757	31	757	115/1	COOK	GN-168	2,3,4,8	
2. GRAVITY I	D BACKDRAFT DAMPI BACKDRAFT DAMPER DISCONNECT SWITCH	5. ALUMIN	L Creen IUM Wheel Side fan Guari	8. RHEO	COLLAR OSTAT							

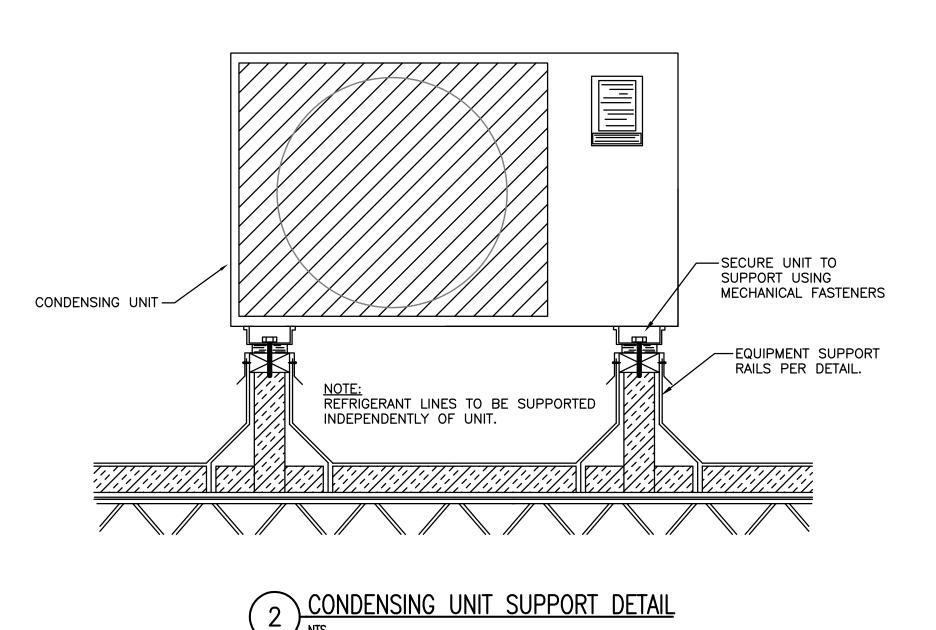


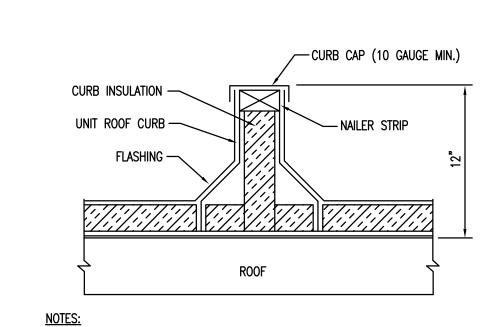
4 CABINET EXHAUST FAN DETAIL



1 CEILING CASSETTE DETAIL







PROVIDE RAISED CANT. SEE SPECIFICATIONS.
 SEE SPECIFICATIONS FOR TYPE OF BASE REQUIRED.
 SPOT WELD OR ANCHOR CURB TO ROOF DECKING OR SUPPORTS PER SEISMIC REQUIREMENTS.
 ATTACH CAP TO CURB 12" O.C. MINIMUM, 2 PER SIDE PROVIDE
 3/4" SPACE BETWEEN CURB CAP AND CURB FOR ROOFING AND FLASHING.
 COORDINATE INSTALLATION OF CURB CAP WITH ROOF FLASHING.

3 EQUIPMENT RAIL DETA



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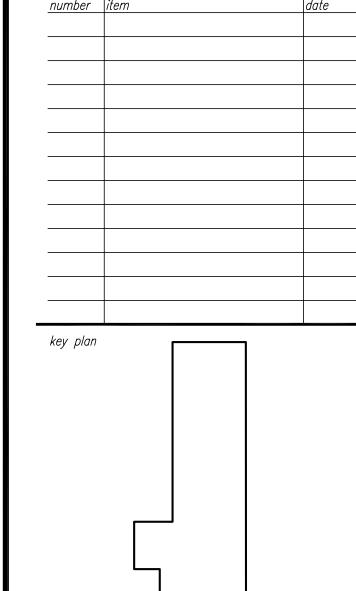
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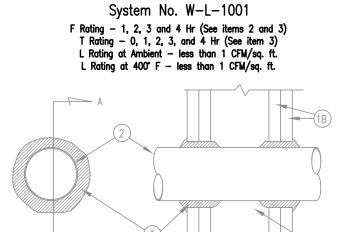
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HVAC SCHEDULES, NOTES
AND DETAILS

COKER COLLEGE BASEMENT

sheet number

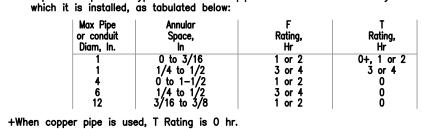
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drawn by JWB
checked by XXX



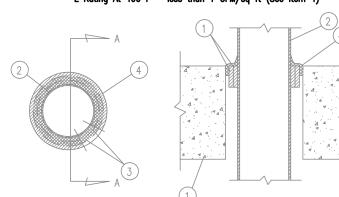
 Wall Assembly — The 1, 2, 3, or 4 hour fire—rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300 or U400 Series Wall or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features: A. Studs — Wall framing may consist of either wood or steel channel studs. Wood studs (max 2 hour fire rated assemblies) or steel channel studs. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC with nom 2 by 4 in. lumber end plates and cross braces. Steel studs to be min 3-5/8 in. wide by 1-3/8 in. deep channels spaced max 24 in. OC. B. Wallboard, Gypsum* - Nom 1/2 or 5/8 in. thick, 4 ft. wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U300 or U400 Series Design in the UL Fire Resistance Directory. Max diam

of opening is 13-1/2 in. 2. Pipe or conduit - Nom 12 in. diam (or smaller) Schedule 10 (or heavier) steel pipe, nom 12 in. diam (or smaller) service weight (or heavier) cast iron soil pipe, nom 12 in. diam (or smaller) Class 50 (or heavier) ductile iron pressure pipe, nom 6 in. (or smaller) steel conduit, nom 4 in. diam (or smaller) steel electrical metallic tubing, nom 6 in. diam (or smaller) Type L or (or heavier) copper tubing or nom 1 in. diam (or smaller) flexible steel conduit. When copper pipe is used, max F Rating of firestop system (Item 3) is 2 hr. Steel pipes or conduits larger than nom 4 in. diam may only be used in walls constructed using steel channel studs. A max of one pipe or conduit is permitted in the firestop system. Pipe or conduit to be installed near center of stud cavity width and to be rigidly supported on both sides of wall assembly. Fill, Void or Cavity Material* — Caulk — Caulk fill material installed to completely fill annular space between pipe or conduit and gypsum wallboard and with a min 1/4 in. diam bead of caulk applied to perimeter of pipe or conduit at its egress from the wall. Caulk installed symmetrically on both sides of wall assembly. The hourly F Rating of the firestop system is DEPENDENT upon the hourly fire rating of the wall assembly in which it is installed, as shown in the following table. The hourly T rating of the firestop system is dependent upon the type or size of the pipe or conduit and the hourly fire rating of the wall assembly in



Minnesota Mining & Mfg. Co. — CP 25WB+.
*Bearing the UL Classification Marking.

System No. WL1052 F Rating - 2, 3 AND 4 Hr T Rating — 0 Hr L Rating At Ambient - 2 CFM/sq ft (See Item 4) L Rating At 400 F - less than 1 CFM/sq ft (See Item 4



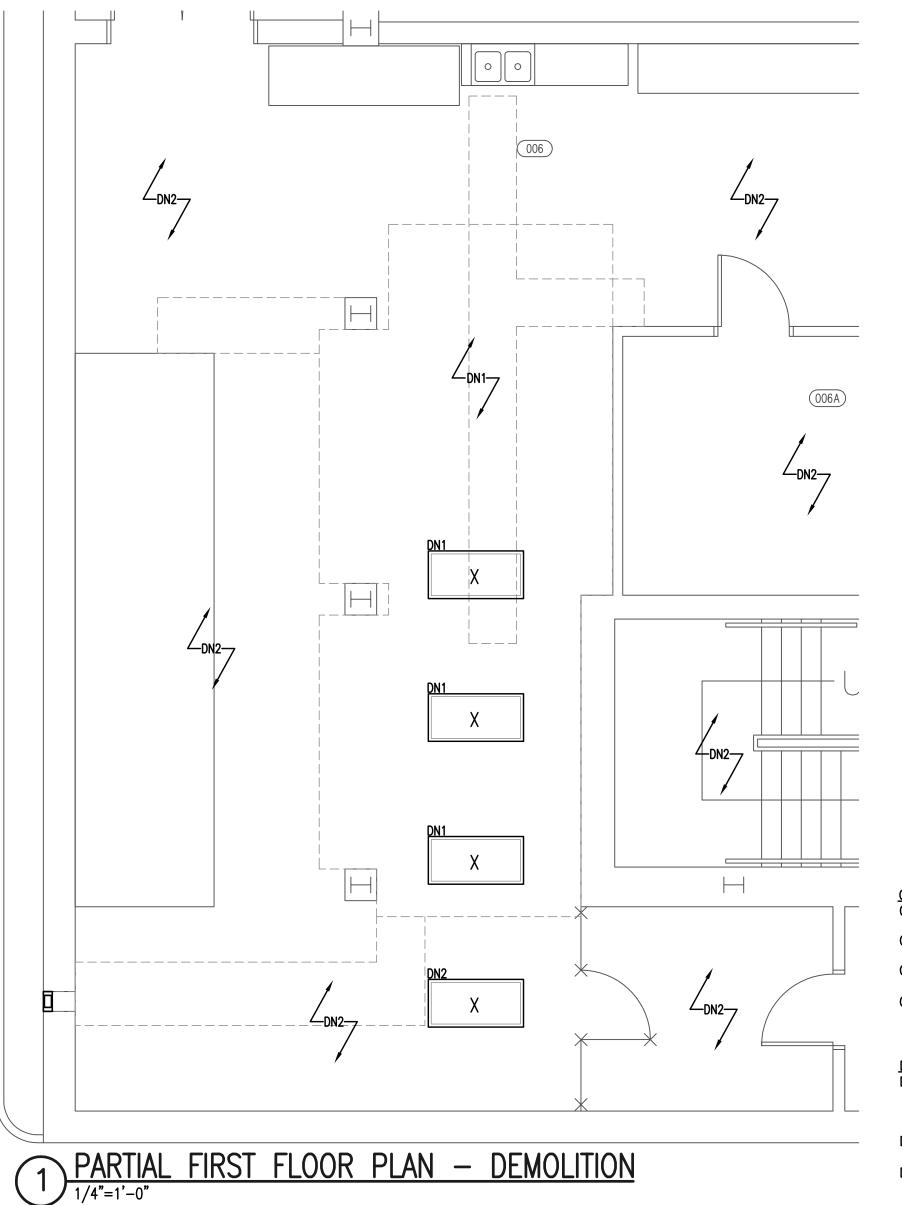
Floor or Wall Assembly — Lightweight or normal weight (100-150 pcf) concrete. Min. thickness of concrete floor or wall assembly is 4-1/2 in. for 2 and 3 hr F Ratings and 5-1/2 in. for 4 hr F Rating. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of circular opening is 13-1/2 in. See Concrete Blocks (CAZT category in the Fire Resistance Directory for names of manufacturers. Steel Pipe or Conduit - Nom 12 in. diam (or smaller) Schedule 10 or heavier steel pipe, nom 6 in. diam (or smaller) steel conduit or nom 4 in. diam (or smaller) steel EMT. Max one pipe or conduit per opening, centered in opening. Min clearance between pipe or conduit and sides of through opening is 1/4 in. Max clearance between pipe or conduit and sides of through opening is 1-3/4 in for 2 hr F rating and 3/4 in. for 3 and 4 hr F ratings. Pipe or conduit to be rigidly supported on both sides of floor or

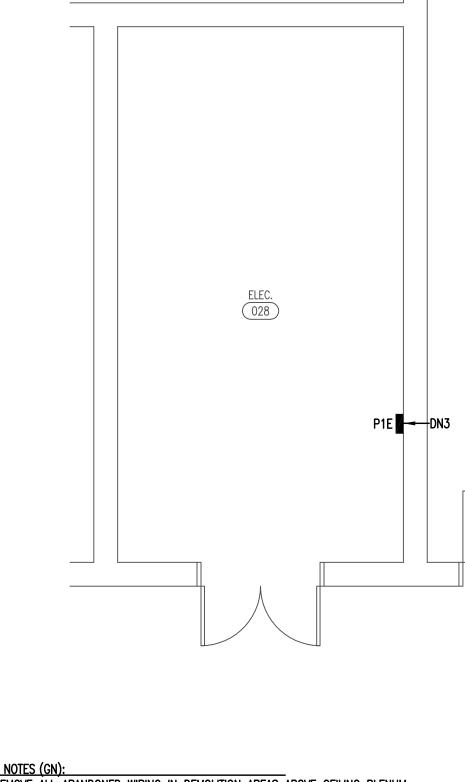
Fill, Void or Cavity Material* — Wrap Strip — Nom 1/4 in. thick intumescent elastomeric material faced on one side with aluminum foil, supplied in 2 in. wide strips. For the 2 and 3 hr F Ratings, min 1 in. wide strip(s) wrapped around pipe/conduit (foil side exposed) until OD of wrap strip is equal to or max 3/16 in. less than ID of circular through opening. Wrap strip tightly bound with steel tie wire or pressure sensitive tape and slid into through opening such that the top edge of the wrap strip(s) is recessed 1/4 in. from the top surface of floor or, in wall assemblies, such that the wrap strip(s) is centered in the wall thickness. For the 4 hr F Rating, nom 2 in. wide strip(s) wrapped around pipe/conduit (foil side exposed) on each side of the floor or wall assembly until OD of wrap strip is equal to or max 3/16 in. less than ID of circular through opening. Wrap strip tightly bound with steel tie wire or pressure sensitive tape and slid into through opening on each side of floor or wall assembly such that the exposed edges are recessed 1/4 in. from the floor or wall surfaces.

Minnesota Mining & Mfg. Co. — Types FS—195, FS—195+ Fill, Void or Cavity Material* — Caulk — Nom 1/4 in. thickness of caulk to be applied to the exposed edges of the wrap strip and to fill all voids between the pipe/conduit and the periphery of the through opening. For 2 or 3 hour F rating in floor assemblies, caulk to be installed flush with top surface of floor. For wall assemblies and for the 4 hour F Rating in floor assemblies, caulk to be applied on both

	ELECTRICAL SYMBOL SCH	EDULE	
SYMBOL	DESCRIPTION		ABBREVIATIONS
LR1-2,4	BRANCH CIRCUIT RACEWAY. RUN CONCEALED IN CEILING OR WALLS. ARROWHEAD DENOTES HOMERUN TO PANEL. CROSSLINES DENOTE NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MAORE THAN TWO ARE TO BE INSTALLED. TEXT DENOTES PANEL NAME AND CIRCUIT NUMBERS FOR HOMERUN. INCLUDE GROUND WIRE IN ALL CIRCUITS. #12 AWG MINIMUM AND AS PER CODE. WHERE ALLOWED BY CODE, ALL 20 AMP LIGHTING AND RECEPTACLE CIRCUITS SHALL BE TYPE NM CABLE, OTHER CIRCUITS WHERE INDICATED ON PLANS SHALL BE IN CONDUIT.	A AFF ATS BKR C CKT EC	AMPERE. ABOVE FINISHED FLOOR. AUTOMATIC TRANSFER SWITCH BREAKER. CONDUIT. CIRCUIT. ELECTRICAL CONTRACTOR, DIVISION 26.
CLECTRICAL	FLEXIBLE CONDUIT. WEATHERPROOF TYPE WHEN CONNECTED TO MOTORS. CROSSLINES DENOTE NUMBER OF PHASE AND NEUTRAL CONDUCTORS WHEN MORE THAN TWO ARE INSTALLED. INSTALL GROUND WIRE WIRE #12 AWG MINIMUM.	EF FCU GF JB or J-BOX	EXHAUST FAN. FAN COIL UNIT. GROUND FAULT CIRCUIT INTERRUPTER. JUNCTION BOX.
ELECTRICAL ROOM 100	SPACE NAME AND NUMBER. COORDINATE WITH ARCHITECTURAL SPACE NUMBER.	KVA KW	KILOVOLT AMPERES. KILOWATT.
Α	RECESSED MOUNTED LIGHT FIXTURE. LETTER DENOTES TYPE OF FIXTURE, SEE FIXTURE SCHEDULE.	MAX MC MDP	MAXIMUM. MECHANICAL CONTRACTOR, DIVISION 23. MAIN DISTRIBUTION PANEL.
\$	LIGHT SWITCH, SPST, 20A, 48" AFF.	MIN	MINIMUM. VOLT.
\$т	ELECTRONIC TIMER CONTROL SWITCH. SEE SPECIFICATIONS.	VFĎ NEC	VARIABLE FREQUENCY DRIVE NATIONAL ELECTRICAL CODE. (NFPA 70).
Ŭ Mb	SURFACE WALL MOUNTED JUNCTION BOX, SIZED PER NEC. "WP" DENOTES NEMA 3R WEATHERPROOF. PROVIDE AND INSTALL A SURFACE COVER PLATE.	SWBD TYP	SWITCHBOARD. TYPICAL. WEATHER PROOF
☐ S-1	SURFACE WALL MOUNTED DISCONNECT SWITCH. HEAVY DUTY. NOTATION DENOTES TYPE ON SCHEDULE. ALL OUTDOOR DISCONNECTS SERVING GROUND MOUNTED HVAC UNITS SHALL NOT BE MOUNTED HIGHER THAN 36" ABOVE FINISHED GRADE.	WP XFMR X	TRANSFORMER. EXISTING FIXTURE.
	ELECTRICAL CIRCUIT BREAKER PANELBOARD. SEE PANEL SPEICIFICATIONS AND SCHEDULES.		
= 	2 - 120 VOLT, 20 AMP DUPLEX RECEPTACLES, WALL MOUNTED, 3" ABOVE THE TOP OF THE COUNTERTOP BACKSPLASH, UNLESS OTHERWISE NOTED. THE RECEPTACLE SHALL NOT EXCEED 6" ABOVE THE BACKSPLASH. THE NUMBER DENOTES CIRCUIT NUMBER. REFER TO ARCHITECTURAL ELEVATIONS AND COORDINATE WITH MILLWORK CONTRACTOR. "GF" DENOTES GFCI PROTECTED.		
⊖ 8	DUPLEX RECEPTACLE, 20 AMP, 120 VOLT, CEILING MOUNTED. NUMBER DENOTES CIRCUIT NUMBER.		
0	SINGLE PORT DATA OUTLET, FLUSH CEILING MOUNTED.		
₽ ⁸	DUPLEX RECEPTACLE, 120 VOLT, 20 AMP, WALL MOUNTED, 16" AFF, UNLESS OTHERWISE NOTED. THE NUMBER DENOTES CIRCUIT NUMBER.		
^{GF} -⊕ 8	DUPLEX RECEPTACLE, 120 VOLT, 20 AMP, WALL MOUNTED, 3" ABOVE THE TOP OF THE COUNTERTOP BACKSPLASH, UNLESS OTHERWISE NOTED. THE RECEPTACLE SHALL NOT EXCEED 6" ABOVE THE BACKSPLASH. THE NUMBER DENOTES CIRCUIT NUMBER. REFER TO ARCHITECTURAL ELEVATIONS AND COORDINATE WITH MILLWORK CONTRACTOR. "GF" DENOTES GFCI RECEPTACLE.		
◆ □	TWO PORT COMBINATION TELEPHONE AND DATA OUTLET RECEPTACLE, SINGLE GANG, 16". STUB CONDUIT FROM BOX TO ABOVE CEILING. (1"C)		
⊲	SINGLE PORT DATA OUTLET RECEPTACLE. FLUSH WALL MOUNTED, 16" AFF. MOUNT EVEN WITH OTHER OUTLETS. 1 GANG BACKBOX. STUB CONDUIT FROM BOX TO ABOVE CEILING. (1"C)		

LIGHT FIXTURE SCHEDULE										
	TYPE	DESCRIPTION	CATALOG NO.	LAMPS						
	A	LED 2' x 4' RECESSED GRID LAY—IN CEILING FIXTURE WITH A FIXED LIGHT OUTPUT, 4000K COLOR TEMPERATURE, AND ACRYLIC LENS.	COLUMBIA# LJT24-40HLG-FSA2125-EU 277 VOLT	LED						





GENERAL NOTES (GN): GN1. REMOVE ALL ABANDONED WIRING IN DEMOLITION AREAS ABOVE CEILING PLENUM

TO SOURCE OF SUPPLY. GN2. REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES IN DEMOLITION AREAS.

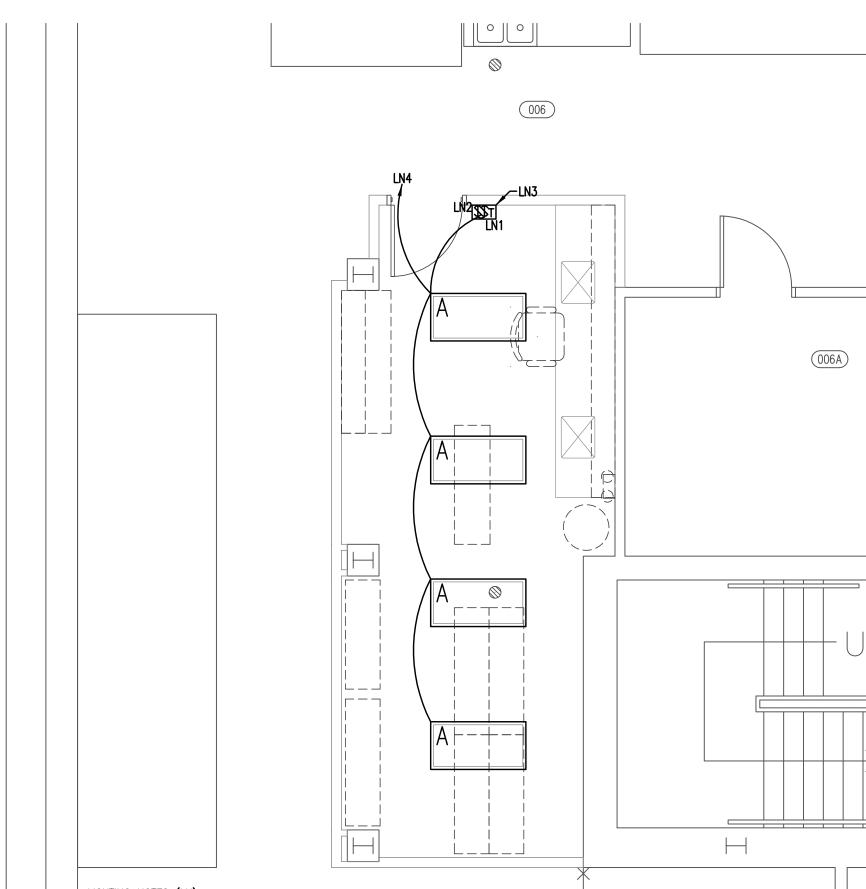
GN3. DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVICING EQUIPMENT THAT HAS BEEN REMOVED IN DEMOLITION AREAS.

GN4. ALL REMOVED EQUIPMENT SHALL BE TRANSPORTED TO THE OWNER'S STORAGE FACILITY BY THE CONTRACTOR. ALL EQUIPMENT/ITEMS THAT THE OWNER DOES NOT WANT TO RETAIN OWNERSHIP SHALL BECOME PROPERTY OF THE CONTRACTOR AND CONTRACTOR SHALL TRANSPORT OFF SITE AND DISPOSE.

<u>DEMOLITION NOTES (DN):</u> DN1. EXISTING LIGHT FIXTURE IN DEMOLITION AREA SHALL BE DISCONNECTED, REMOVED, AND DISPOSED. EXISTING LIGHTING CIRCUIT AND LIGHTING SWITCH LEG SHALL BE DISCONNECTED, REMOVED, AND DISPOSED BACK TO SOURCE J-BOX. RE-CIRCUIT AS REQUIRED TO MAINTAIN

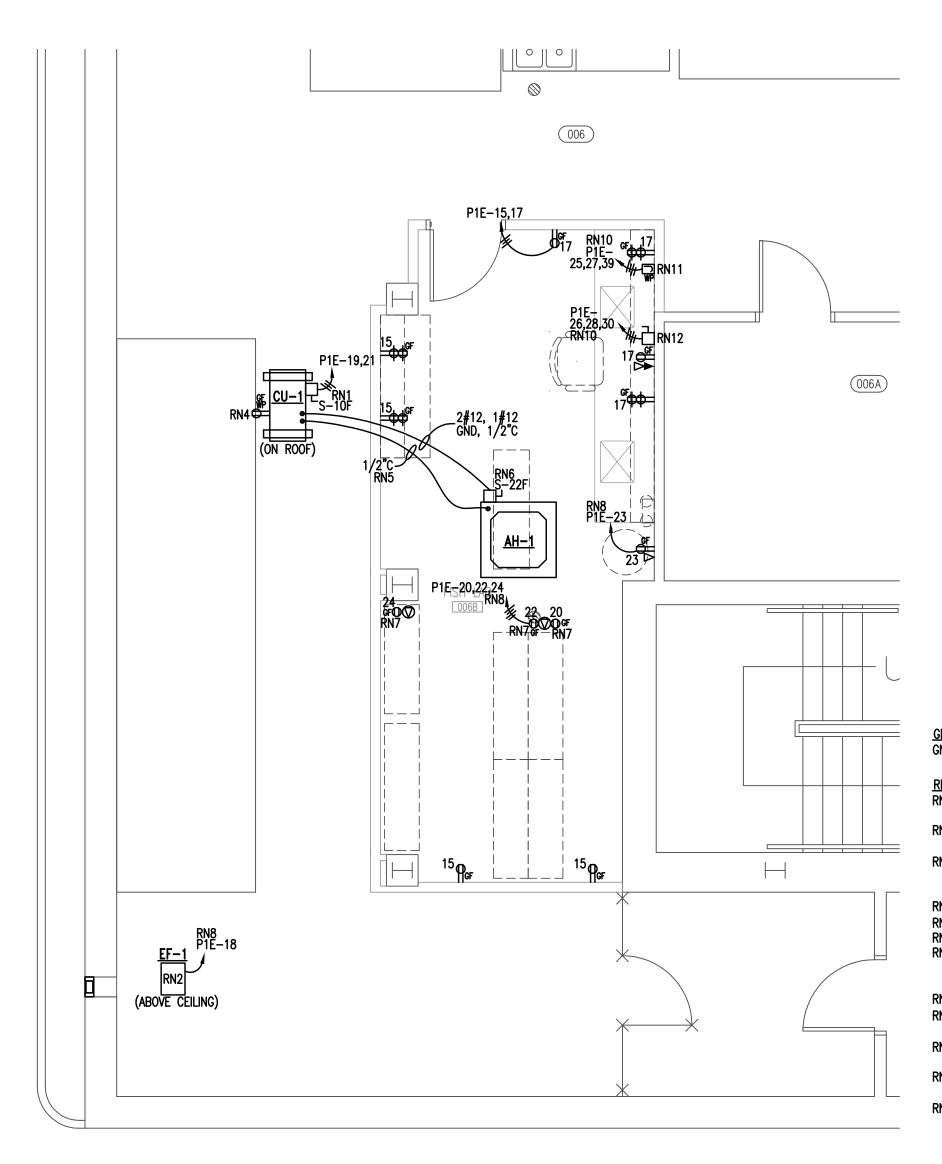
SERVICE TO ALL EXISTING LIGHT FIXTURES IN SPACE TO REMAIN. DN2. EXISTING ELECTRICAL DEVICES IN CEILING SHALL BE PROTECTED DURING CEILING DEMOLITION WORK. COORDINATE.

DN3. EC SHALL DISCONNECT AND REMOVE EXISTING 30A/1P BREAKER IN EXISTING SPACE 15.

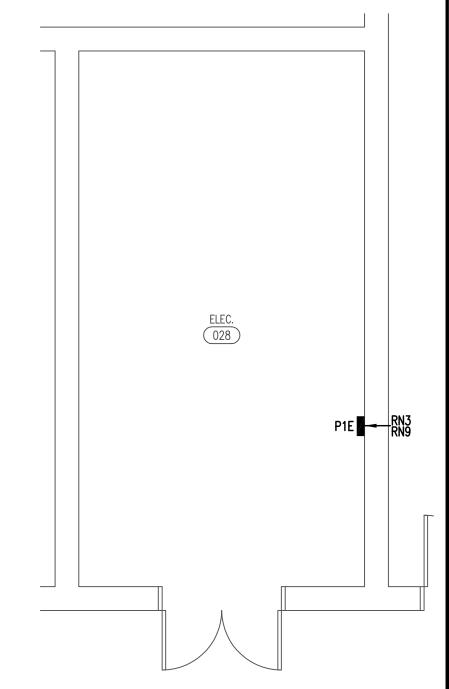


2 PARTIAL FIRST FLOOR PLAN – LIGHTING PLAN

480/277V PANELBOARD. COORDINATE.







GN1. EC SHALL RE-LABEL AND UPDATE ALL EXISTING PANEL SCHEDULES TO REFLECT

NEW LAB ELECTRICAL CIRCUITS. COORDINATE. RENOVATION NOTES (RN):

RN1. HVAC UNIT LOCATED ON ROOF. DISCONNECT FURNISHED AND INSTALLED BY MC WIRED BY EC.

RN2. HVAC UNIT LOCATED ABOVE CEILING. DISCONNECT FURNISHED AND INSTALLED BY MC RN3. EC SHALL FURNISH AND INSTALL AN 20A/208V/1P BREAKER IN EXISTING BREAKER SPACES 19 AND 21 OF EXISTING PANEL P1E TO FEED ROOFTOP CONDENSING

RN4. CONNECT TO NEAREST RECEPTACLE CIRCUIT. COORDINATE. RN5. EMPTY 1/2"C TO OUTDOOR UNIT LOCATED ON ROOF FOR COMMUNICATION WIRES. RN6. AH-1 POWERED FROM OUTDOOR UNIT CU-1. COORDINATE RN7. DEDICATED CEILING MOUNTED RECEPTACLE FOR MULTI-RACK SYSTEM. COORDINATE EXACT RECEPTACLE LOCATION ABOVE MULTI-RACK MONITOR LOCATION PRIOR TO ANY ROUGH-IN.

RN8. CONNECT TO EXISTING 20A/120V/1P BREAKER IN EXISTING PANEL P1E. COORDINATE. RN9. EC SHALL FURNISH AND INSTALL AN 20A/120V/1P BREAKER IN EXISTING BREAKER SPACE 17 OF EXISTING PANEL P1E.

RN10. EC SHALL FURNISH AND INSTALL AN 20A/208V/3P BREAKER IN EXISTING BREAKER SPACES OF EXISTING PANEL P1E. RN11. LAB DISHWASHER J-BOX. COORDINATE EXACT LOCATION AND CONNECTIONS WITH

LAB DISHWASHER SUBMITTALS. RN12. FUTURE WATER HEATER DISCONNECT SWITCH SHALL BE 30A/3P/3W/240V/NF/NEMA 3R FUSED PER EQUIPMENT NAMEPLATE. SWITCH SHALL BE LOCATED IN OPEN KNÉE SPACE

BETWEEN SINKS. COORDINATE.

sheet number

sheet title

AND POWER

PARTIAL FIRST FLOOR PLAN -

DEMOLITION, LIGHTING

COKER COLLEGE BASEMENT

ASSOCIATES, INC.

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USC CAMPUS PLANING AND

COLUMBIA, SOUTH CAROLINA 29208

COKER 006 - FISH LAB #2 -CLS 006

CONSTRUCTION DOCUMENTS

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CONSTRUCTION

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State project number

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