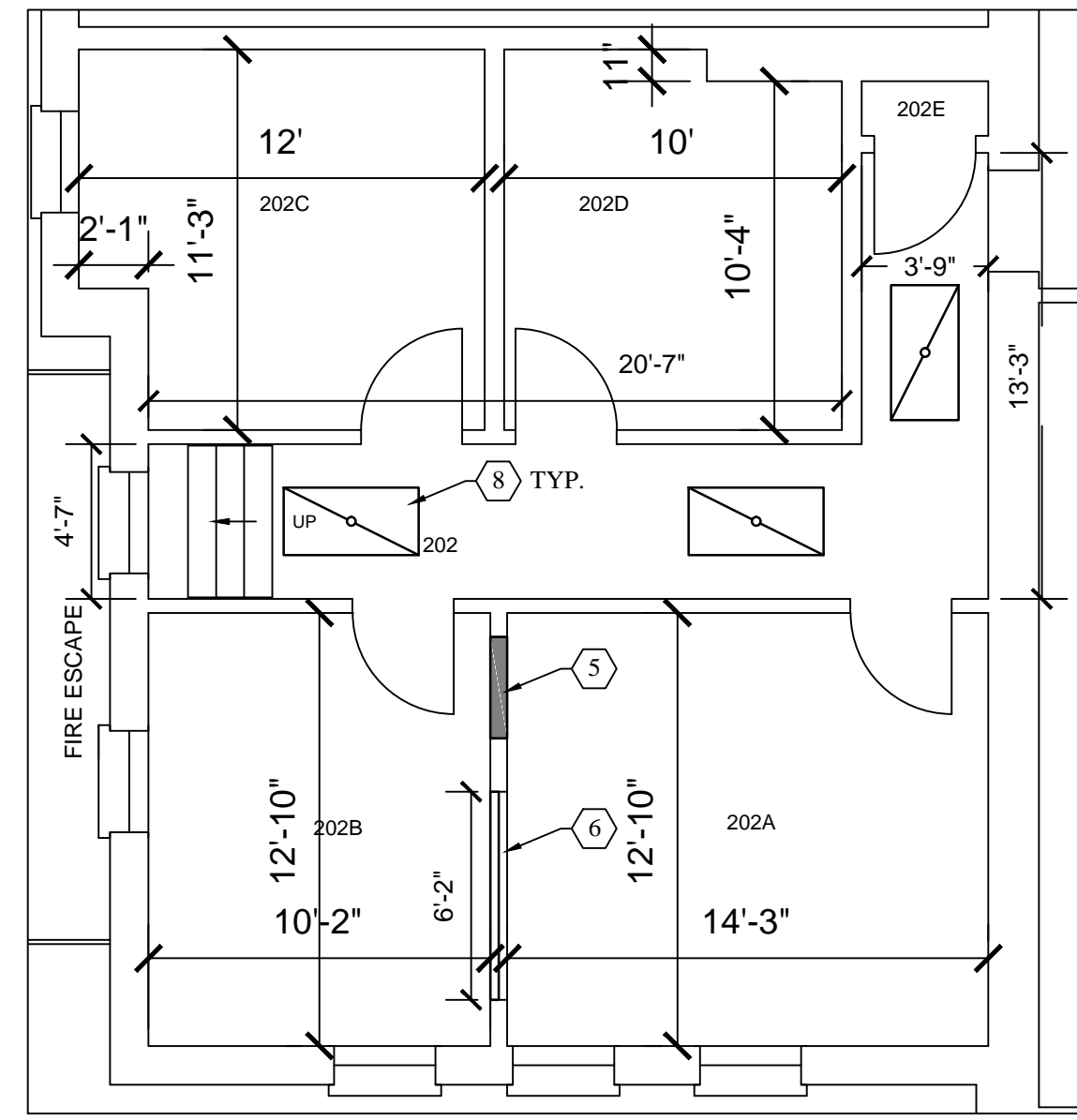
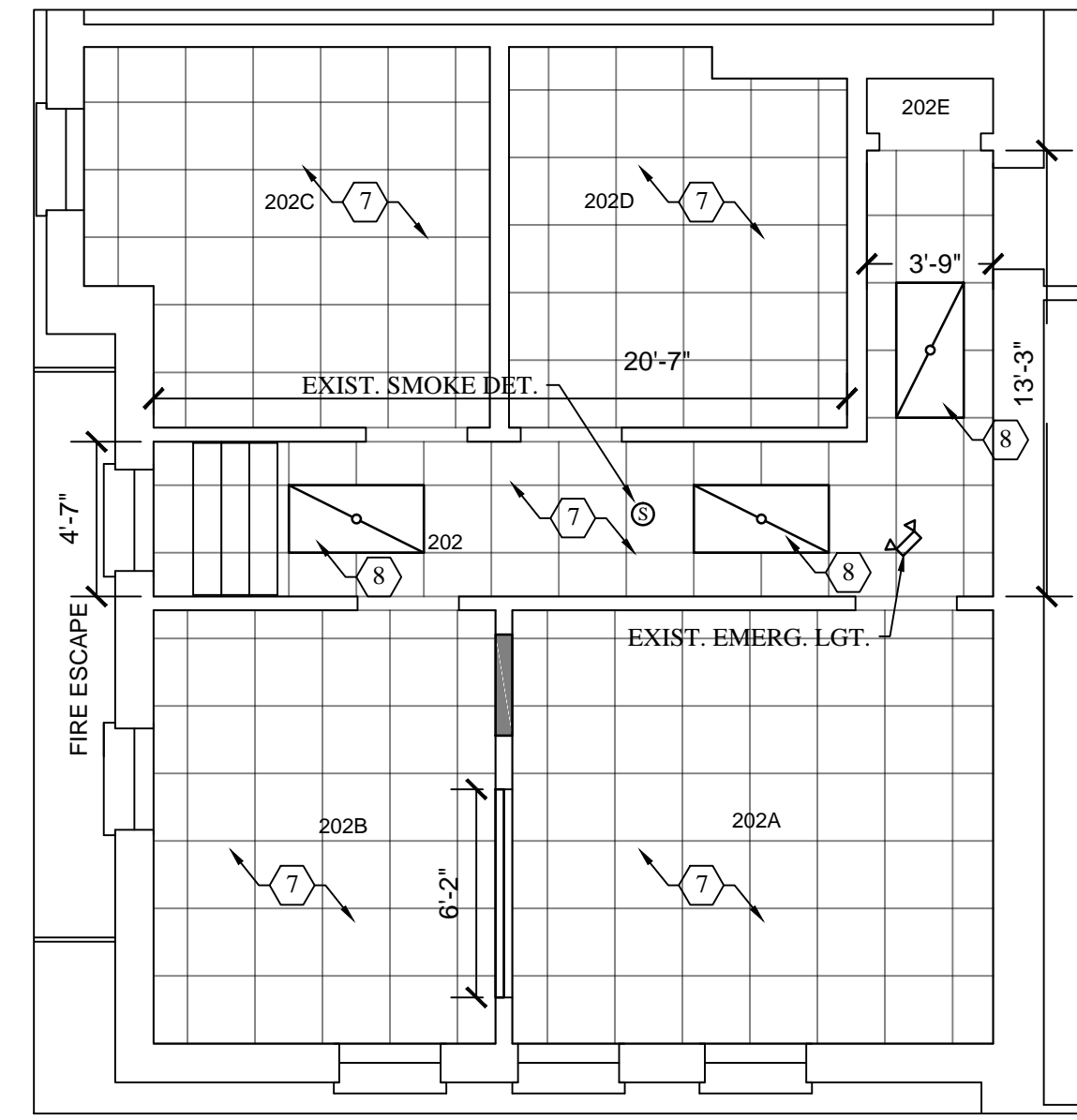


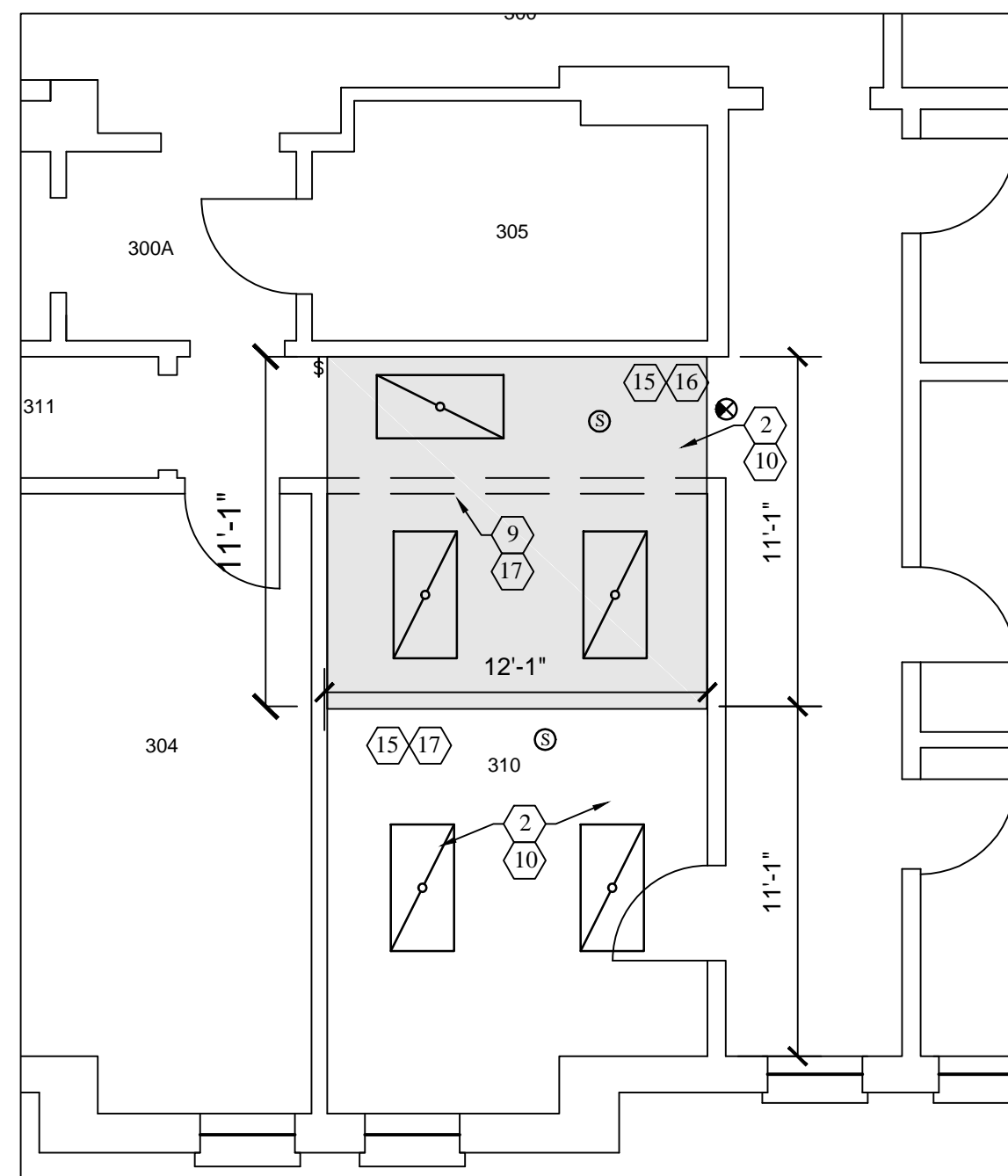
2ND FLOOR DEMO
SCALE: 1/16"=1'-0"



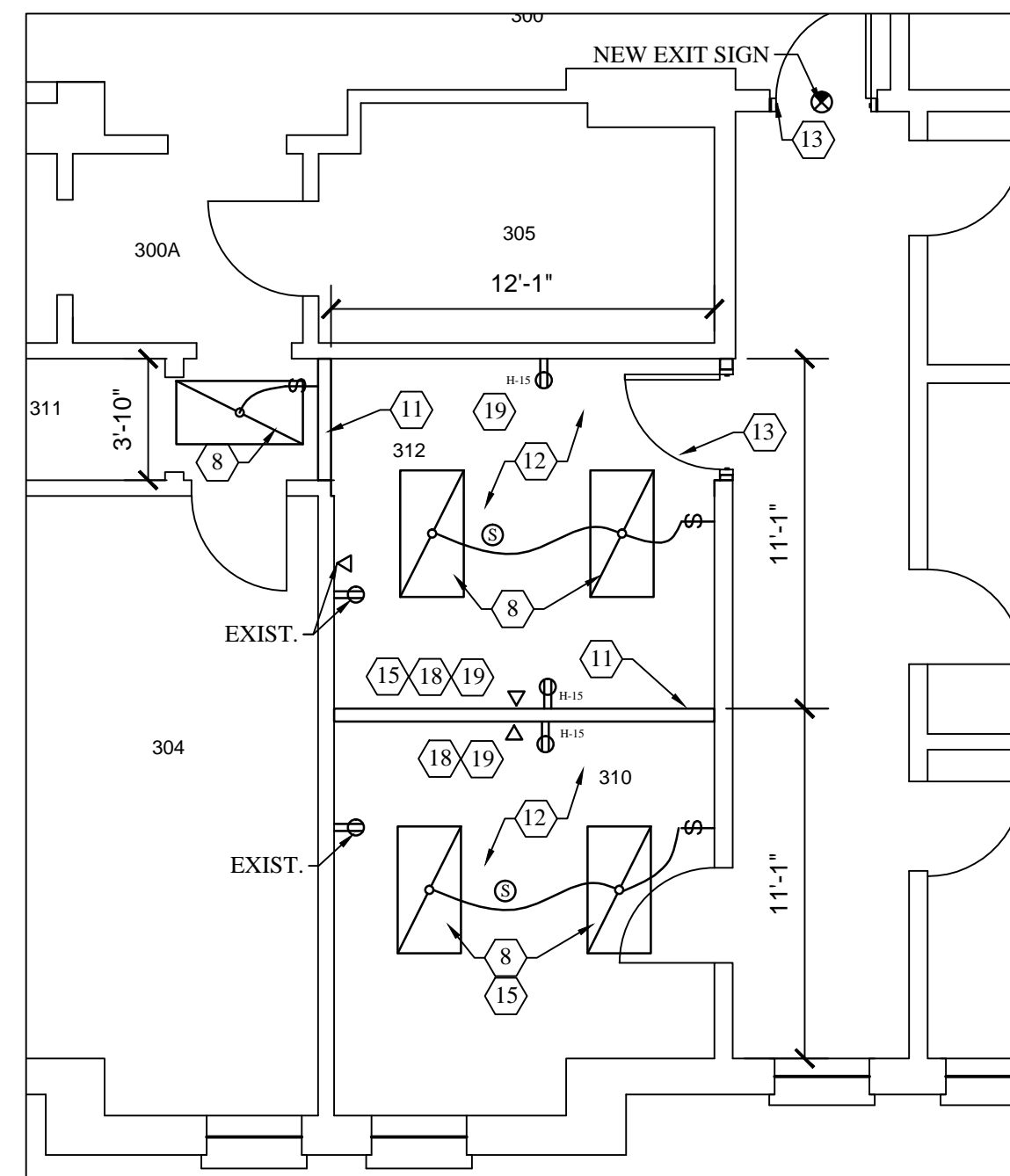
2ND FLOOR NEW WORK
SCALE: 1/16"=1'-0"



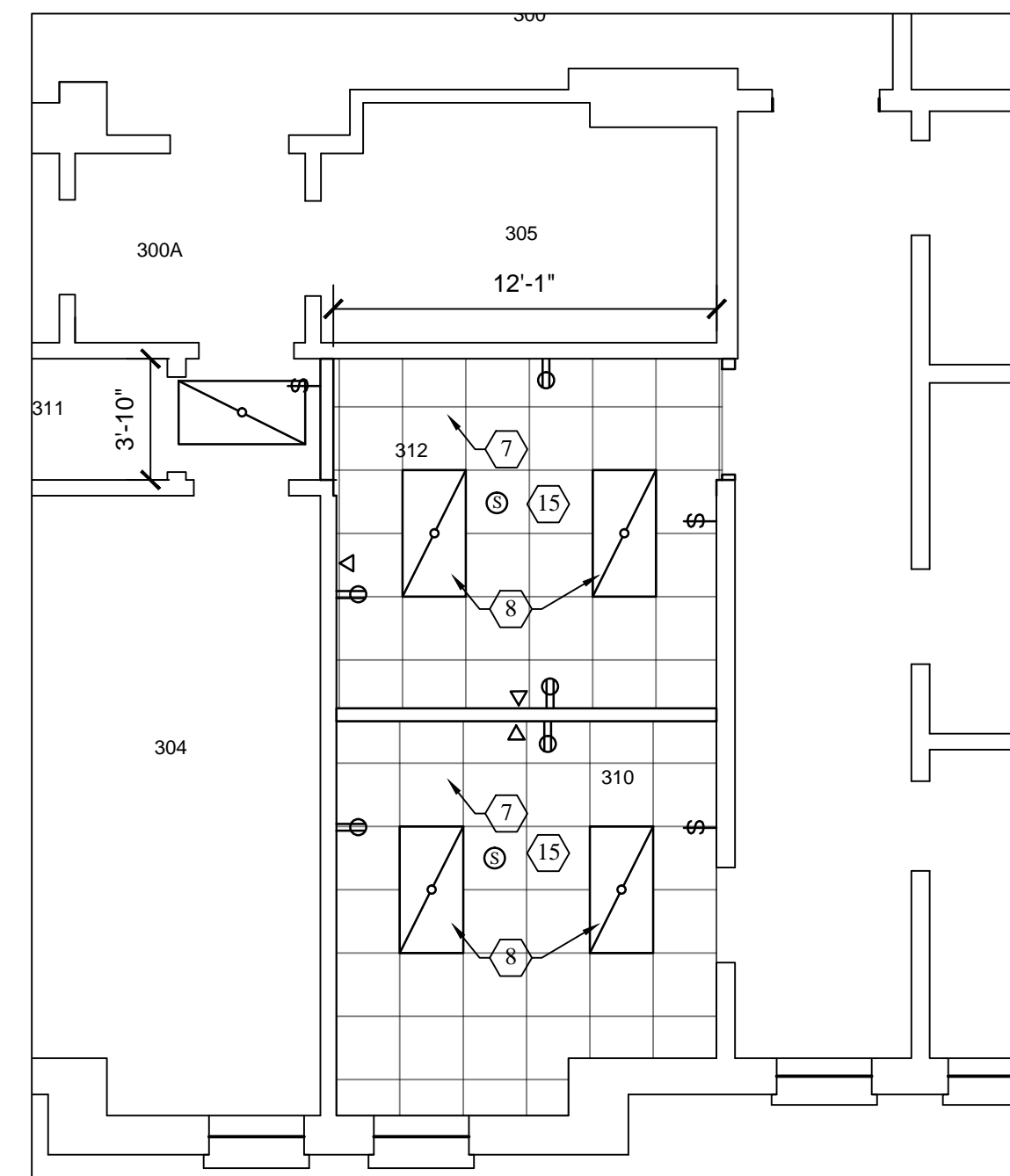
2ND FLOOR CEILING
SCALE: 1/16"=1'-0"



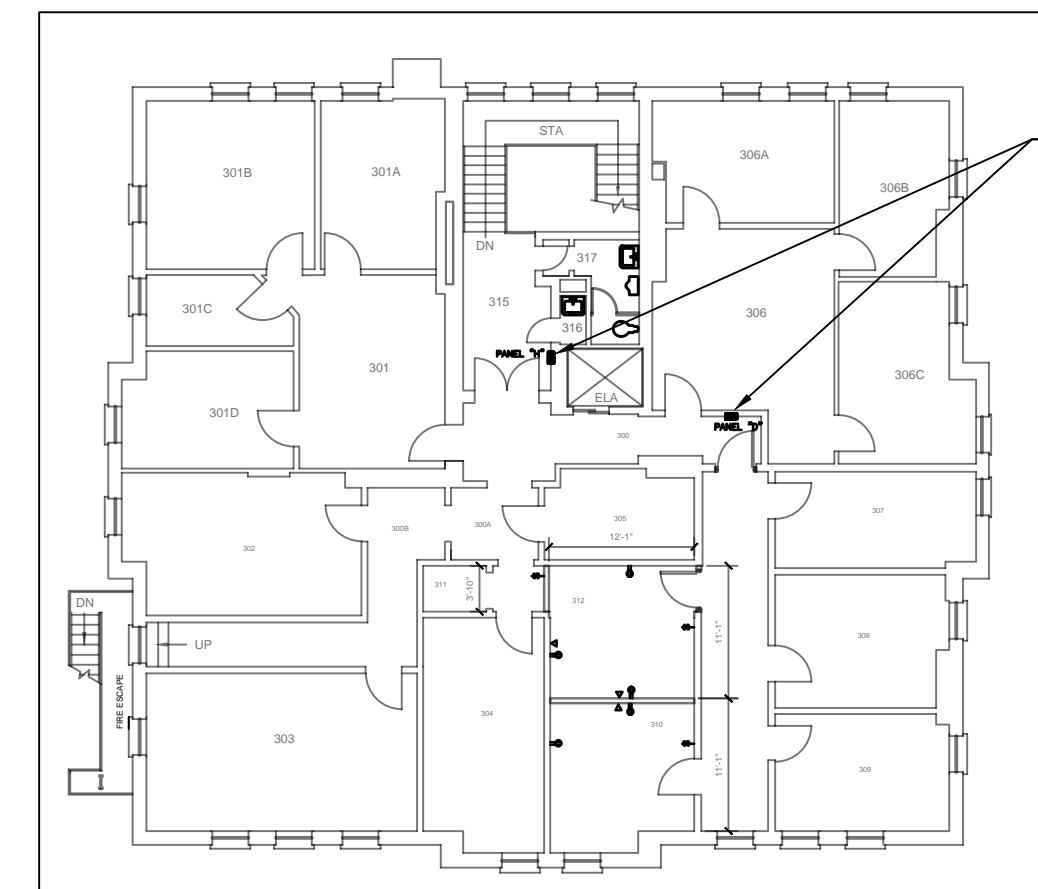
3RD FLOOR DEMO
SCALE: 1/16"=1'-0"



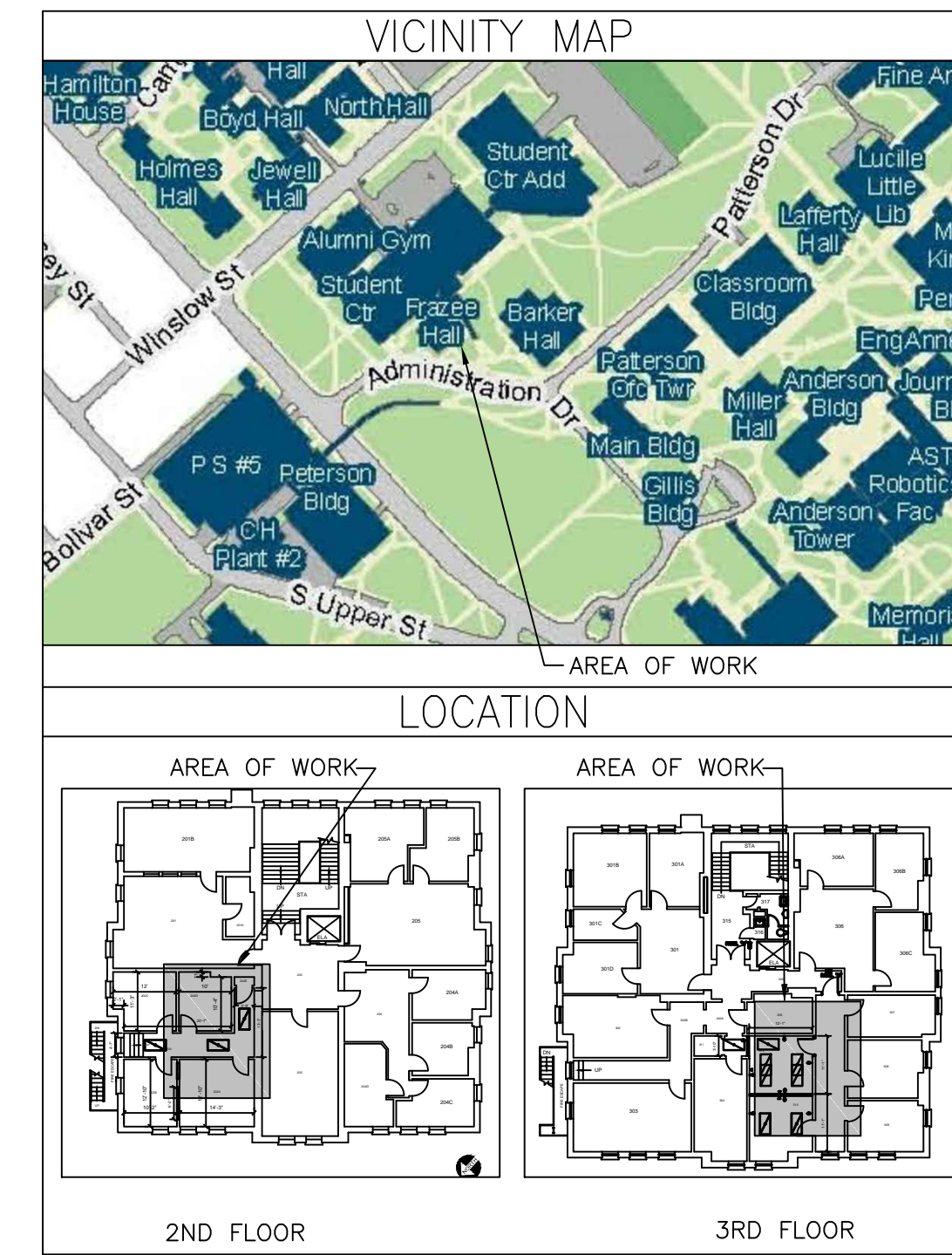
3RD FLOOR NEW WORK
SCALE: 1/16"=1'-0"



3RD FLOOR CEILING
SCALE: 1/16"=1'-0"



3RD FLOOR REFERENCE PLAN
SCALE: NTS



KEY NOTES

- REMOVE DOOR AND FRAME.
- REMOVE EXISTING LIGHTS, CEILING TILE AND GRID.
- REMOVE EXISTING TRANSFER GRILLS AND DUCT THROUGH OFFICES.
- N/A.
- INFILL EXISTING DOOR LOCATION WITH METAL STUDS TO MATCH EXISTING (3 1/2" 25 GAUGE) SOUND BATT INSULATION AND 5/8" DRYWALL EACH SIDE. FINISH TO NATIONAL GYPSUM LEVEL 4 FINISH PRIME AND PAINT BOTH SIDES CORNER TO CORNER TO MATCH EXISTING COLOR.
- INFILL 202B SIDE OF WINDOW WITH FRAMING AS REQUIRED TO INSTALL 5/8" DRYWALL INSIDE OF EXISTING WINDOW FRAME. TO FACILITATE POSSIBLE REMOVAL IN THE FUTURE.
- REVEALED EDGE CEILING TILE (USG RADAR) AND RECOMMENDED GRID INSTALLED AT A HEIGHT TO FACILITATE INSTALLATION OF NEW HVAC SYSTEM NO LOWER THAN 8' AFF IN HALL 202. IN OTHER AREAS MAINTAIN A HEIGHT THAT CLEARS WINDOWS TRIM OR AS HIGH AS POSSIBLE.
- LITHONIA 2RTSS 2 32 MVOLT GEB10IS LIGHT FIXTURE. PROVIDE AND INSTALL 28 WATT LAMPS WITH LAMP COLOR TO MATCH BUILDINGS STANDARD. REUSE EXISTING LIGHTING CIRCUIT AND SWITCH LOCATIONS.
- REMOVE EXISTING WALL IN ITS ENTIRETY. PATCH ADJACENT WALLS AS REQUIRED.
- IN EXISTING OFFICE AND AT HALL THAT WILL BE INCORPORATED INTO NEW OFFICE REMOVE EXISTING FLOOR COVERING.
- INSTALL NEW METAL STUD WALL 3 1/2" 25 GAUGE STUD, SOUND BATT INSULATION, AND 5/8" DRYWALL TO HARD CEILING ABOVE LEVEL 4 FINISH PER NATIONAL GYPSUM STANDARDS. PRIME AND APPLY TWO COATS OF PAINT TO MATCH EXISTING. WHERE ADJACENT TO EXISTING PAINT TO NEAREST CORNERS.
- INSTALL NEW 5/8" SUBSTRATE AS RECOMMENDED BY SHAW CARPET MANUFACTURE. CARPET SHALL BE SELECTED FROM SHAW'S QUICK SHIP COMMERCIAL GRADE CARPET TILE SELECTIONS.
- SOLID WOOD DOOR TO MATCH EXISTING. YALE 8822 LOCKSET (OR SIMILAR THAT IS COMPATIBLE TO EXISTING LOCKSETS. HINGES SHALL BE 5 KNUCKLE BALL BEARING. CONTRACTOR TO PROVIDE A CONSTRUCTION CORE AND KEY AND COORDINATE WITH UK KEY SHOP FOR PERMANENT CORE. USERS WILL HAVE TO CONTACT KEY SHOP FOR KEYS. PROVIDE METAL STUD FRAMING 20 GAUGE AT DOORS EXTEND TO CEILING ABOVE. PROVIDE 5/8" TYPE X DRYWALL EACH SIDE. GALVANIZED FRAME AND WHERE DRYWALL JOINS EXISTING CONSTRUCTION. FINISH DRYWALL PER REQUIREMENTS IN NOTE 11.
- N/A.
- RELOCATE SMOKE DETECTORS.
- REMOVE EXIT SIGN.
- REMOVE RECEPTACLES, SWITCHES ETC. AS REQ'D. FOR WALLS TO BE REMOVED. AND AS REQ'D. TO CLEAR NEW CONSTRUCTIONS.
- NEW COMM. DATA OUTLET. RUN 1" CONDUIT TO ATTIC JCT. BOX. INSTALL PULL STRINGS.
- NEW RECEPTACLE. RUN 20 AMP CIRCUIT TO EXIST. PANEL "H" PROVIDE AND INSTALL 20 AMP, 1-P CKT. BREAKER IN PANEL "H".

PROJECT GENERAL NOTES

- GENERAL NOTES, WHEREVER THEY ARE FOUND, APPLY TO ALL WORK IN THE PROJECT, UNLESS OTHERWISE INDICATED IN THE KEY NOTES, KEY NOTES APPLY ONLY TO THE SHEET ON WHICH THEY ARE FOUND, UNLESS OTHERWISE STATED. THE MEANING OF NOTE SYMBOLS AND NUMBERS VARIES FROM SHEET TO SHEET.
- CONTRACTOR SHALL INVESTIGATE EXISTING PROJECT THOROUGHLY PRIOR TO BID, QUOTE AND/OR CONSTRUCTION. ALTERATIONS AND RENOVATIONS OF THE EXISTING BUILDING ARE SUCH THAT NOT EVERY FACET OF THE WORK CAN BE DESCRIBED, OR GRAPHICALLY ILLUSTRATED HEREIN. PRIOR TO BIDDING, THE CONTRACTOR(S) SHALL REVIEW THE ENTIRE SCOPE OF WORK AND PERSONALLY SURVEY THE EXISTING STRUCTURE TO FAMILIARIZE THEMSELVES WITH ALL REQUIREMENTS NECESSARY TO COMPLETE THE WORK AND MAY AT THEIR OWN EXPENSE TEST/EXAMINE WALLS/MATERIALS TO BE REMOVED TO CONFIRM ASSUMED CONDITIONS. FAILURE TO COMPLY MAY RESULT IN ADDITIONAL EXPENSE TO THE CONTRACTOR FOR WHICH THE OWNER WILL NOT BE RESPONSIBLE.
- PROVIDE ALL NECESSARY STRUCTURAL BRACING, REINFORCEMENT, AND/OR SUPPORT AT ALL WALLS, OPENINGS, AND AREAS AFFECTED BY NEW CONSTRUCTION, AND AS REQUIRED BY ALL APPLICABLE CODES.
- CONSTRUCTION SHALL MEET ALL APPLICABLE CODES, AND SHALL BE INSPECTED BY APPROPRIATE AGENCIES. CONTRACTOR SHALL ARRANGE AND PAY FOR ALL REQUIRED CODE INSPECTIONS. ALL CODE REPORTS SHALL BE GIVEN TO UK CONSTRUCTION MANAGER AND FIRE MARSHALL VIA EMAIL AT SUBSTANTIAL COMPLETION, SEE NOTE 26 FOR MORE INFO.
- SUBMIT ALL MOULDINGS, FINISH, AND MATERIAL SELECTIONS WITH THE OWNER PRIOR TO CONSTRUCTION (WITHIN 14 DAYS OF AWARD).
- UNLESS OTHERWISE INDICATED NEW CONSTRUCTION OR WORK WHERE EXISTING BASE HAS BEEN REMOVED SHALL HAVE NEW BASE INSTALLED TO MATCH EXISTING.
- IN ALL AREAS OF DEMOLITION FOR NEW CONSTRUCTION OR AREAS DISTURBED BY NEW CONSTRUCTION, REPAIR OR REPLACE SURROUNDING AND/OR EXISTING CONSTRUCTION TO ALLOW NEW CONSTRUCTION TO SEAMLESSLY INCORPORATE.
- LOCATE EXISTING UTILITIES PRIOR TO CONSTRUCTION. COORDINATE WITH OWNERS REPRESENTATIVE WHEN RELOCATION OR ALTERATION OF ANY UTILITY SERVICE IS REQUIRED.
- REVISE AND/OR RELOCATE EXISTING SERVICES AS REQUIRED.
- REPAIR AND/OR REPLACE DAMAGED EXISTING MATERIALS IN AREA OF WORK AS REQUIRED.
- EXISTING CONDITIONS INDICATED ON THE DRAWINGS SHALL BE VERIFIED BY THE

- CONTRACTOR. THE CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, MATERIALS AND METHODS OF CONSTRUCTION AND COORDINATE WITH THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOTIFY THE OWNERS REPRESENTATIVE OF SIGNIFICANT DISCREPANCIES BETWEEN EXISTING CONDITIONS AND THE CONTRACT DOCUMENTS PRIOR TO COMMENCING WORK.
- ALL MATERIALS, FINISHES, DETAILS AND METHODS OF CONSTRUCTION TO MATCH EXISTING UNLESS OTHERWISE NOTED.
- OWNER DOES NOT ACCEPT OR ASSUME RESPONSIBILITY FOR ERRORS BY CONTRACTORS AND/ OR OTHER PARTIES PROVIDING SERVICES OR WORK ON THE PROJECT, FOR THE FAILURE OF SUCH CONTRACTORS AND OTHER PARTIES TO FOLLOW DRAWINGS AND PROJECT MANUAL REQUIREMENTS, NOR FOR ADDITIONAL EXPENSES INCURRED DUE TO CHANGES MADE NECESSARY BY APPLICABLE LAWS, ORDINANCES AND CODES, EXISTING CONDITIONS, EQUIPMENT MODIFICATIONS, OR SUBSTITUTION FOR MATERIALS INDICATED IN THE DRAWINGS OR IN THE PROJECT MANUAL.
- THE TERMS; "PROVIDE" AND "INSTALL", AS USED THROUGHOUT THE NOTES AND/OR CONTRACT DOCUMENTS IS DEFINED AS: SUPPLY, INSTALL, FINISH AND TEST EACH ITEM AS APPLICABLE, UNLESS OTHERWISE NOTED.
- ALL DOOR PRODUCTS AND INSTALLATIONS SHALL COMPLY WITH THE REQUIREMENTS FOR EMERGENCY EGRESS.
- FOR ALL MASONRY WALLS AND INTERIOR STUD WALLS TO BE REMOVED, REMOVE WALLS IN SUCH A MANNER TO MAKE EXISTING FLOOR LEVEL AT THAT LOCATION AND TO MATCH SURROUNDING FLOOR SURFACES. FILL AND GRIND EXISTING FLOOR AS NECESSARY TO PROVIDE LEVEL SURFACE.
- REFER TO DIMENSIONS AND ENLARGED PLANS WHERE APPLICABLE. DO NOT SCALE DRAWINGS. DIMENSIONS SHOWN ARE INTENDED TO DESCRIBE LIMITS OF WORK.
- ALL AREAS OF CONSTRUCTION WILL RECEIVE TWO COATS OF PAINT (PRIME ALL NEW CONSTRUCTION FIRST), COLOR TO BE SELECTED BY OWNER.
- INSTALL TEMPORARY HEAT DETECTORS ABOVE CEILING PLANE WHEN EXISTING CEILING IS DEMOLISHED.
- UNLESS NOTED OTHERWISE EXISTING OUTLETS AND COMMUNICATION/DATA PORTS TO REMAIN IN THEIR CURRENT LOCATION.
- EXIT SIGNS SHALL BE CONNECTED TO THE BUILDING EMERGENCY POWER SYSTEM.
- UK COMMUNICATIONS TO PROVIDE APPROPRIATE CONDUIT SCHEMATICS FOR ELECTRICAL CONTRACTOR. 1" CONDUIT TO BE USED AND MUST BE TAKEN BACK TO THE NEAREST COMMUNICATION JUNCTION BOX. IF SURFACE MOUNT APPLICATIONS 2400 WIREMOLD IS ACCEPTABLE.
- ALL NEW DOOR HARDWARE SHALL BE PROVIDED BY GENERAL CONTRACTOR AND SHALL

- MATCH BUILDINGS EXISTING HARDWARE. UK KEY SHOP TO INSTALL PERMANENT CORES AND ISSUE KEYS AS PROVIDED BY CONTRACTOR PER NOTE 29 - GENERAL CONTRACTOR TO COORDINATE. CONTRACTOR WILL ALSO PROVIDE TEMPORARY CORES AND KEYS IF NEEDED.
- PROPERLY PREPARE FLOOR SURFACE PER FINAL FLOOR PRODUCTS MANUFACTURERS INSTRUCTIONS TO PROVIDE A SMOOTH AND DEBRIS FREE SUBSTRATE FOR INSTALLING NEW FLOORING. CONTRACTOR IS EXPECTED TO USE APPROPRIATE CARE TO ENSURE THE FINAL PRODUCT IS INSTALLED LEVEL (EXCEPT WHERE SLOPE IS INDICATED ON PLANS).
- DEMO'D EQUIPMENT IS THE PROPERTY OF THE UNIVERSITY. COORDINATE REMOVAL WITH OWNERS REPRESENTATIVE.
- CONTRACTOR WILL BE REQUIRED TO SUBMIT ALL PLANS FOR REVIEW WITH APPROPRIATE LOCAL AND STATE CODE ENFORCEMENT AGENCIES, AND WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH THIS INCLUDING THIRD PARTY SPECIAL INSPECTIONS WHEN REQUIRED, AS WELL AS COORDINATING WITH CODE OFFICIALS FOR ALL REQUIRED INSPECTIONS. THE UK FIRE MARSHALLS OFFICE IS THE AUTHORITY WITH JURISDICTION FOR ARCHITECTURAL AND SPRINKLER ITEMS ON CAMPUS, AND WILL HAVE THE PROJECT ON FILE IN THEIR OFFICE. CONTACT THEM TO OBTAIN C.O.
- PROVIDE ROOM NUMBER SIGNAGE TO MATCH EXISTING, OR AS SPECIFIED. WALL MOUNTED SIGNS SHALL MEET ADA GUIDELINES INCLUDING BRAILLE LETTERING.
- OWNER IS RESPONSIBLE FOR TESTING AND IF NEEDED ABATEMENT OF ASBESTOS BEARING MATERIAL, LEAD PAINT, AND OTHER HAZARDOUS MATERIALS. IF DURING THE COURSE OF WORK SUSPICIOUS MATERIALS IS ENCOUNTERED CONTRACTOR SHALL IMMEDIATELY STOP WORK AND CONTACT OWNERS REPRESENTATIVE.
- CONTRACTOR IS REQUIRED TO OBTAIN A REGISTRY RELEASE LETTER FROM KEY SHOP TO ACCESS THE BITTING RECORDS AND TO COORDINATE IN REGARDS TO INSTALLATION OF NEW LOCKS ON CAMPUS. CONTRACTOR SHALL ORDER A MINIMUM OF TWO KEY BACKS FOR EACH KEYWAY. PREFERRED MANUFACTURERS AND CATALOG SERIES ARE YALE AND STANLEY BEST. - THE SYSTEM MOST COMPATIBLE WITH EXISTING IN BUILDING. CONTRACTOR MUST PROVIDE FROM ONE OF THE TWO LISTED WITH NO SUBSTITUTIONS. CYLINDERS TO BE KEYS TO AN EXISTING GRAND MASTER KEY SYSTEM. MUST MATCH EXISTING-NO SUBSTITUTION. KEYING REQUIREMENTS TO BE COORDINATED AND COMPLETED AT FACTORY TO PROTECT THE INTEGRITY OF THE SYSTEM. FIELD KEYING WILL NOT BE PERMITTED AND WILL BE CONSIDERED AS JUST CAUSE FOR REJECTION OF SUPPLIER. ALL BITTING LISTS MUST BE APPROVED BY THE SUPERVISOR OF UK'S KEY SHOP BEFORE THEY CAN BE FACTORY KEYS. ALL KEYS AND CORES MUST BE DELIVERED DIRECTLY TO THE SUPERVISOR OR ASSISTANT SUPERVISOR OF

- UK'S KEYSHOP, 50 DONOVAN HALL, LEXINGTON, KY (859-257-4789). CONTRACTOR TO COORDINATE WITH UK KEY SHOP TO HAVE THEM INSTALL CORES INTO THE LOCK ASSEMBLY. WHEN THIS TAKES PLACE THE CONTRACTOR IS REQUIRED TO HAVE THE PERSON WHO INSTALLED THE HARDWARE ON SITE TO WORK WITH THE UK KEY SHOP PERSONAL TO ENSURE EACH LOCK WORKS PROPERLY BEFORE MOVING ON TO THE NEXT DOOR. NO KEYS OR CORES WILL GO TO THE CONTRACTOR OR SUPPLIER. THIS WILL BE A CAUSE FOR REJECTION OF THE SUPPLIER AND A REKEYING CHARGE. FURNISH CYLINDERS WITH CONSTRUCTION MASTER KEYING FOR USE DURING THE CONSTRUCTION PHASE. NON-REMOVABLE OR NON-INTERCHANGEABLE CORE CYLINDERS SHALL NOT BE ACCEPTED. UK WANTS LFIC (LARGE FORMAT INTERCHANGEABLE) AND SFIC (SMALL FORMAT INTERCHANGEABLE) CORES. ALL NEWLY PROVIDED KEYWAYS MUST BE RESTRICTED. ANY SUBSTITUTION OF FOREIGN MADE CYLINDERS OR COMPONENTS WILL NOT BE ALLOWED AND WILL BE CAUSE FOR REJECTION OF SUPPLIER.
- NEW LIGHTING REUSES EXISTING LIGHTING CIRCUITS WHERE POSSIBLE.
- PROJECT CLOSE OUT REQUIREMENTS: IN ADDITION TO APPROVED CODE INSPECTIONS, TRAINING SEMINAR FOR NEW EQUIPMENT, PROJECT MANUALS AND AS-BUILT DRAWINGS, CONTRACTOR SHALL FILL OUT REQUIRED PRODUCT INFORMATION ON EQUIPMENT INVENTORY SHEET ON ITEMS LISTED. THE LIST OF ITEMS AND INVENTORY SHEET ARE LOCATED IN THE SPECIAL CONDITIONS.
- ANY PENETRATIONS INTO HALLWAY SHALL BE SEALED AND FIRE CAULKED ON BOTH SIDES WITH UL APPROVED 1HR ASSEMBLY.
- WHERE NEW WALL CONSTRUCTION MEETS EXISTING USE PAINTABLE CAULK TO PROVIDE TIGHT CONTINUOUS CONNECTION.
- DOOR HARDWARE SHALL BE COMPATIBLE WITH EXISTING IN BUILDING COORDINATE WITH KEY SHOP AS REQUIRED, ALL LOCKSETS SHALL BE LEVER HANDLE YALE 8822 OR SIMILAR.
- FOR MORE INFORMATION ON OTHER DOOR HARDWARE REQUIREMENTS REFER TO CPMDhttp://www.uky.edu/EVPPA/Facilities/CPMD/standards/div00/div00.htm FROM THIS SITE SELECT DOORS AND WINDOWS. EVEN THOUGH THE APPLIES TO: SECTION MAY READ MEDCEN/HOSP ONLY THE REQUIREMENTS WILL APPLY TO THIS PROJECT AS WELL. IGNORE 08700501 FOR THAT SECTION FOLLOW INSTRUCTIONS LISTED IN GENERAL NOTE 29.
- ALL DRYWALL SHALL BE FINISHED IN ACCORDANCE TO NATIONAL GYPSUM LEVEL FOUR GUIDE LINES. ALL NEW WORK SHALL BE PRIMED WITH TWO COATS OF FINISH COLOR APPLIED.

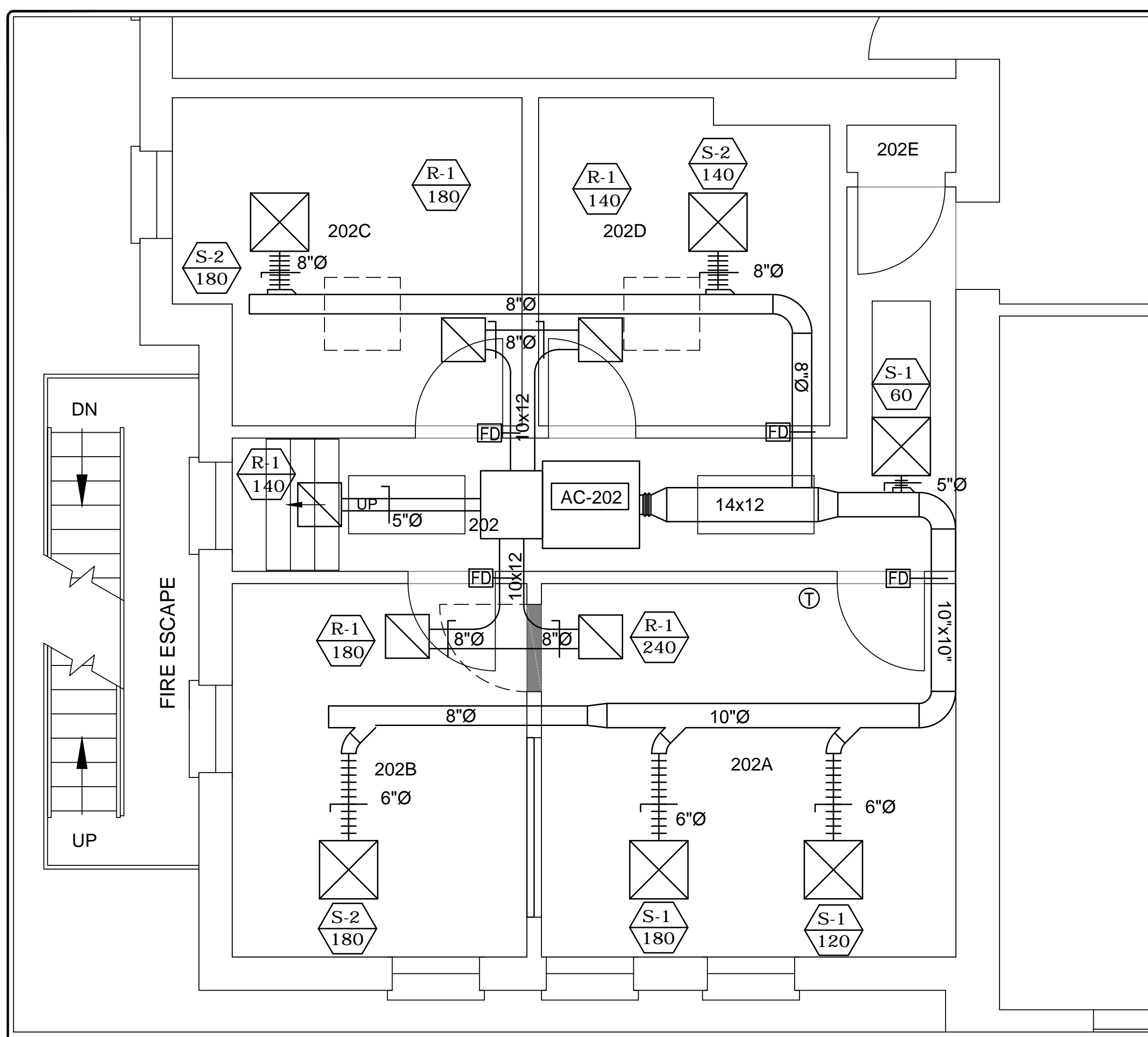
FILE LOCATION

REVISION DATE

USER

REVISIONS	DATE
BY:	

DESIGNED BY: PCK
DRAWN BY: PCK/BNR
CHECKED BY: XXX
APPROVED BY: XXX
PROJECT NO.: 80700110731
DATE: 05/02/13



HVAC - NEW WORK
SCALE: 1/8"=1'-0"

HVAC - OUTDOOR PLAN VIEW
SCALE: 1/4"=1'-0"

AIR DEVICE SCHEDULE														
MARK	TYPE	SERVICE	MAX AIRFLOW [CFM]	MAX AIR P.D. [IN.W.G.]	NECK SIZE [IN.]	MODULE SIZE [IN.]		THROW (FT/50 FPM) [FT]	PATTERN	MAX NC	MOUNTING	MATERIAL	REMARKS	ACCESSORIES
						L	W							
S-1	1	SUPPLY	120	0.03	6	24	24	10	4-WAY	14	SURFACE	AL	1	1
S-2	1	SUPPLY	180	0.08	8	24	24	12	4-WAY	-	SURFACE	AL	1	1
R-1	3	RETURN	970	0.04	-	16	16	-	-	16	SURFACE	AL	2	-

TYPE:
1. SQUARE LOW/BERED FACE, 3-CONE, ADJUSTABLE, ROUND NECK, 360° PATTERN CEILING DIFFUSER
2. EGGRATE RETURN GRILLE, 1/2" X 1/2" X 1"

REMARKS:
1. BASIS OF DESIGN: KRUEGER S1400 SERIES
2. BASIS OF DESIGN: KRUEGER EG15 SERIES

ACCESSORIES:
1. OPPOSED BLADE BALANCING DAMPER

AIR HANDLING UNIT SCHEDULE													
MARK	LOCATION	SYS. TYPE	CFM	ESP IN. W.G.	FAN RPM	COOLING COIL		TOTAL MBH	HP	VOLTS	PH	FILTER TYPE	REMARKS
						LDB F	SENSIBLE MBH						
AC-202	ROOM 202	1	800	0.75	1367	55	22	32	1/3	120	1	1	1,2,3,4,5

SYSTEM TYPE:
1. SPLIT SYSTEM, CONSTANT VOLUME, DRAW THRU, HORIZONTAL UNIT

REMARKS:
1. VIBRATION ISOLATORS ARE INTERNAL RUBBER TYPE.
2. ELECTRICAL DISCONNECT
3. WORKING FLUID = R-410A

FILTER TYPE:
1. 2" PLEATED, MERV 8, THROW-AWAY TYPE

AIR COOLED CONDENSING UNIT														
MARK	SERVICE	TOTAL CAPACITY (MBH)	AMBIENT AIR TEMP. [°F]	SAT. SUCTION TEMP. [°F]	SEER	COMPRESSOR NO.	RLA EA	CONDENSER FAN NO.	HP EA	ELECTRICAL VOLTS	PHASE	MCA AMPS	REMARKS	ACCESSORIES
CU-202	ROOM 202	64.8	95	45	15	1	13.5	1	1/12	208	1	17.6	1-4	ALL

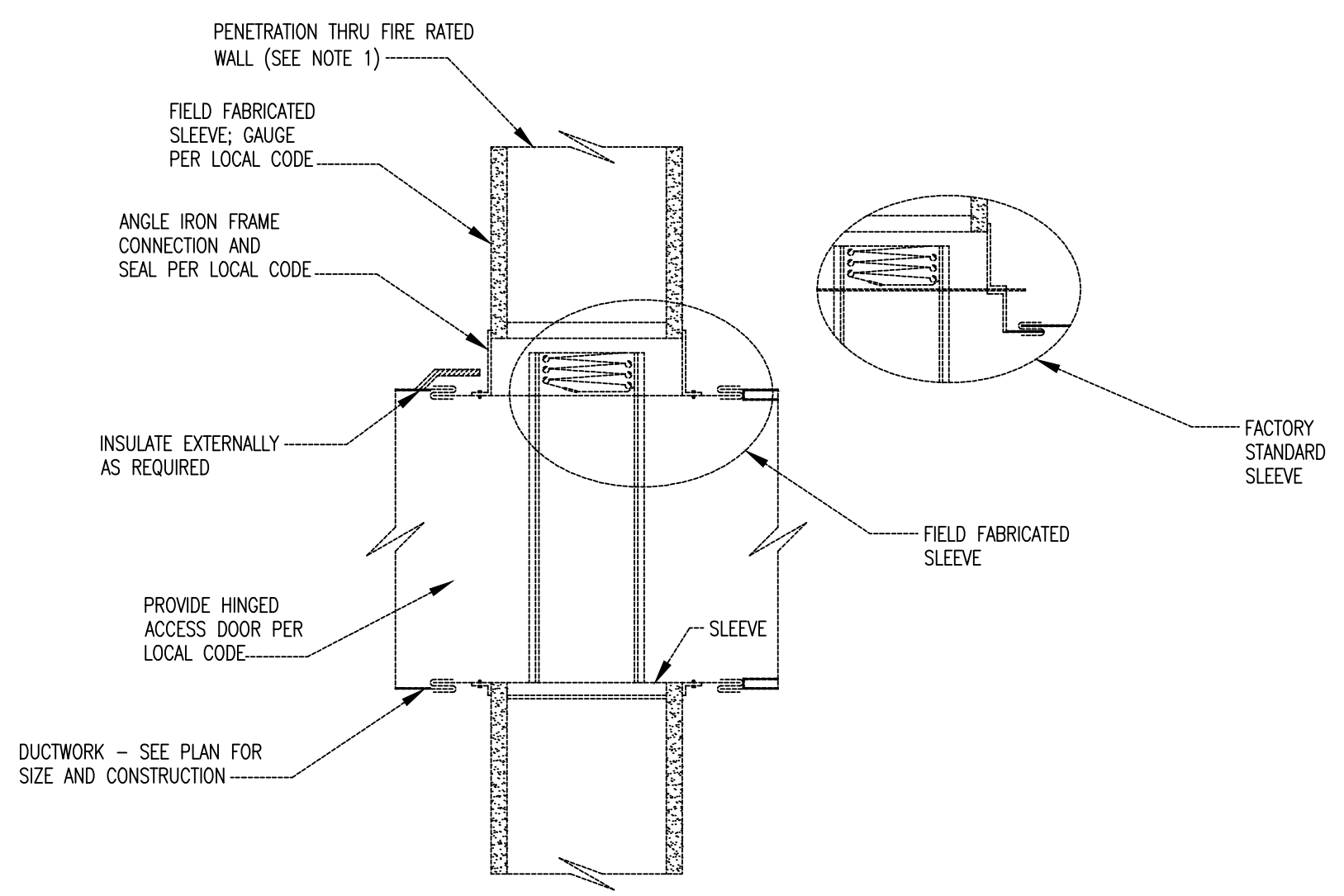
REMARKS:
1. SINGLE POINT ELECTRICAL CONNECTION WITH INTEGRAL CONTROLS
2. LOW AMBIENT OPERATION
3. ELECTRICAL DISCONNECT
4. BASIS OF DESIGN: CARRIER 24ABB

ACCESSORIES:
1. LOW AMBIENT PRESSURE SWITCH
2. 7-DAY PROGRAMMABLE THERMOSTAT WITH NIGHT SETBACK
3. LOW AMBIENT KIT
4. TXV
5. EVAPORATOR FREEZE STATE
6. CRANKCASE HEATER

FILE LOCATION

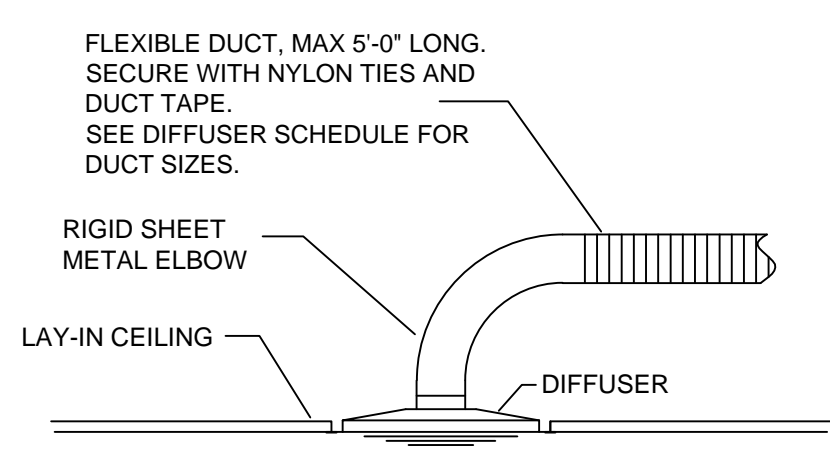
REVISION DATE

USER



- NOTES:**
- MAKE OPENING 1" IN PER FOOT LARGER THAN DAMPER DIMENSIONS WITH 1/2" IN MIN. REQUIRED.
 - SLEEVE GAUGE ≥ GAUGE OF DUCT WHERE DUCT CONSTRUCTION AND JOINTS PER NFPA 90.
 - DAMPER CONSTRUCTION AND TESTED PER UL 555, UL LABELED, 1- 1/2 HOUR FIRE RATING WITH 100°C FUSIBLE LINK.
 - SEAL BETWEEN WALL AND SLEEVE WITH APPROVED FIRE-STOP MATERIAL.

DETAIL
SCALE: NONE



SUPPLY GRILL DETAIL
NOT TO SCALE

GENERAL NOTES

- GENERAL NOTES, WHEREVER THEY ARE FOUND, APPLY TO ALL WORK IN THE PROJECT, UNLESS OTHERWISE INDICATED. SHEET NOTES, UTILIZING NOTE SYMBOLS, APPLY ONLY TO THE SHEET ON WHICH THEY ARE FOUND, UNLESS OTHERWISE STATED. THE MEANING OF NOTE SYMBOLS AND NUMBERS VARIES FROM SHEET TO SHEET.
- CONTRACTOR WILL UTILIZE ALL INFORMATION IN THE CONTRACT DOCUMENTS FOR PROVIDING THE WORK. CONTRACTOR WILL UTILIZE DETAILS AND FLOW DIAGRAMS FOR THE WORK WHERE APPROPRIATE.
- CONTRACTOR WILL FIELD-VERIFY ALL EXISTING CONDITIONS. ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND CONTRACT DOCUMENTS WILL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE ANY WORK RELATING TO THOSE CONDITIONS IS PERFORMED.
- PROVIDE AND INSTALL ALL EQUIPMENT AND ACCESSORIES AS INDICATED IN ACCORDANCE WITH THE RESPECTIVE MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS, AT A LEVEL OF QUALITY AND WORKMANSHIP CONSISTENT WITH PROJECT PLAN AND SPECIFICATION REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ELECTRICAL & COMMUNICATIONS INSTALLATION REQUIRED FOR A FULLY FUNCTIONAL CONTROL SYSTEM AS INDICATED ON PLANS.
- LEGENDS OR LISTS OF SYMBOLS AND ABBREVIATIONS ARE GENERAL IN NATURE AND MAY CONTAIN ITEMS NOT USED IN THE CONTRACT DOCUMENTS. IF ANY SUCH ITEMS ARE FOUND WHICH ARE NOT DEFINED ON THE PLANS OR IN THE SPECIFICATIONS, THE ENGINEER WILL BE CONTACTED FOR CLARIFICATION.
- DEMOLITION MARKS ARE APPROXIMATE. CONTRACTOR TO FIELD-VERIFY ACTUAL CONDITIONS PRIOR TO BIDDING.
- CONTRACTOR WILL MAINTAIN A SET OF PROJECT RECORD DRAWINGS AT THE JOB SITE AND WILL BE RESPONSIBLE FOR MAKING CLEAR, NEAT CHANGES TO THE DRAWINGS, REFLECTING CHANGES TO THE WORK AND VARIANCE IN EXISTING CONDITIONS.
- CONTRACTOR WILL PROVIDE ALL MISCELLANEOUS STEEL TO SUPPORT ALL MECHANICAL DUCT AND PIPING SYSTEMS AND EQUIPMENT. HANG ALL EQUIPMENT FROM STRUCTURE WITH MINIMUM OF TWO TRAPEZE ASSEMBLIES OR FOUR INTEGRAL MOUNTING POINTS WITH VIBRATION ISOLATORS ON ALL FOUR SUPPORTS. DO NOT HANG ANYTHING FROM MECHANICAL OR ELECTRICAL ITEMS.
- ALL EQUIPMENT, DUCT, PIPING AND ACCESSORIES INSTALLED OUTSIDE OR OTHERWISE EXPOSED TO THE ELEMENTS WILL BE ADEQUATELY WEATHERPROOFED. ALL FERROUS METAL FRAMING COMPONENTS WILL BE STAINLESS STEEL OR HOT-DIP GALVANIZED.
- ALL EQUIPMENT, ACCESSORIES, PIPING, WIRING, DUCT AND OTHER WORK, WHICH IS INSTALLED IN FINISHED SPACES WILL BE CONCEALED IN WALLS, FLOORS, FURRED CHASES OR SUSPENDED CEILINGS, EXCEPT FOR INDICATED TERMINAL UNITS, CONTROLS, AIR INLETS AND OUTLETS, AS SHOWN.
- PROVIDE ALL ACCESS DOORS AS SHOWN, EXCEPT THOSE SPECIFIED UNDER OTHER DIVISIONS. IN ADDITION, PROVIDE ANY OTHER ACCESS DOORS - WHETHER OR NOT SHOWN ON PLANS - NECESSARY FOR ACCESS TO CONCEALED EQUIPMENT, VALVES, DAMPERS, ACTUATORS, JUNCTION BOXES, CONTROLS OR OTHER OPERATIONAL OR SERVICEABLE ITEMS, UNLESS ITEM IS REASONABLY ACCESSIBLE THROUGH LAY-IN CEILING PANELS.
- DO NOT CHANGE PATH OF PIPING OR DUCT RUNS, ADD TURNS OR OFFSETS OR CHANGE DUCT DIMENSIONS OR PIPE SIZE WITHOUT FIRST CONSULTING THE ENGINEER. PIPE SIZES SHOWN ON DRAWINGS ARE NOMINAL UNLESS OTHERWISE INDICATED. ALL DUCT SIZES SHOWN ON PLANS ARE CLEAR INSIDE DIMENSIONS FOR SHOP OR FIELD-FABRICATED DUCT AND NOMINAL SIZES FOR FACTORY FABRICATED DUCT.
- FOR TYPICAL WATER, REFRIGERANT AND AIR CONNECTIONS TO EQUIPMENT, SEE STANDARD DETAILS.
- COORDINATE ALL PIPING AND DUCTWORK WITH BOTH NEW AND EXISTING MECHANICAL AND ELECTRICAL WORK, INCLUDING HVAC, PLUMBING, ELECTRICAL, FIRE ALARM, SPRINKLER, COMMUNICATIONS AND EXTERIOR UTILITIES.
- PROVIDE DISCONNECTS AND MAGNETIC STARTERS (OR RELAYS WITH OVERLOAD PROTECTION FOR SINGLE PHASE) FOR ALL EQUIPMENT SUPPLIED BY MECHANICAL CONTRACTOR WHICH IS SPECIFIED TO HAVE FACTORY CONTROL PANEL. POWER WIRING AND CONDUIT TO THESE DEVICES AND BETWEEN THESE DEVICES AND MECHANICAL EQUIPMENT, IF REQUIRED, WILL BE SUPPLIED BY ELECTRICAL CONTRACTOR.
- CONSULT ARCHITECTURAL REFLECTED CEILING PLAN FOR PLACEMENT OF AIR TERMINALS. COORDINATE WITH MECHANICAL WORK AND WORK OF OTHER TRADES.
- ALL NEW SUPPLY & RETURN DUCTWORK SHALL BE GALVANIZED STEEL, G90, NO LIGHTER THAN 24-GAUGE. ALL WORK MUST COMPLY WITH SMACNA DUCT CONSTRUCTION STANDARDS.
- ALL RADIUS DUCT ELBOWS SHALL BE LONG-RADIUS TYPE. ALL SQUARE ELBOWS SHALL HAVE TURNING VANES. SQUARE NECK RADIUS-BACK ELBOWS ARE NOT ALLOWED.
- PROVIDE 1.5-LB DENSITY, R-5 ALUMINIZED KRAFT PAPER-BACKED EXTERNAL INSULATION ON ALL SUPPLY & RETURN AIR DUCTWORK. SEAL ALL NEW DUCTWORK JOINTS WITH WATER-BASED DUCT SEALANT (UNITED MCGILL, IRONGRIP 601 OR EQUAL). TAPING OF JOINTS IS UNACCEPTABLE EXCEPT WHERE APPROVED IN ADVANCE BY PROJECT ENGINEER.
- PROVIDE MANUAL DAMPERS IN ALL SUPPLY AND EXHAUST BRANCHES CONTAINING GRILLES, REGISTERS OR DIFFUSERS WHETHER SHOWN ON PLANS OR NOT AND PROVIDE DAMPERS IN RETURNS WHERE SHOWN. PROVIDE ADJUSTABLE TAKE-OFF FITTINGS WITH GRIDS IN LIEU OF MANUAL DAMPERS FOR ALL ROUND TAKE-OFFS FROM RECTANGULAR MAINS OR PLENUMS. DAMPERS IN DUCT DO NOT REPLACE DAMPERS SPECIFIED AS PART OF THE AIR TERMINAL ASSEMBLY OR VICE VERSA.
- USE TURNING VANES, PER SMACNA CONSTRUCTION GUIDELINES, FOR ALL MITERED RECTANGULAR TURNS OF 45 DEGREES OR MORE.
- CONTRACTOR WILL MAKE TRANSITIONS FROM ROUND TO RECTANGULAR AND BACK ON LOW PRESSURE DUCT AND OFFSET AS REQUIRED, WITH ENGINEER'S APPROVAL, WHERE OBSTRUCTIONS OR OTHER DUCT REQUIRE MODIFICATIONS TO THE PLANS.
- CONTRACTOR WILL MAKE MINOR OFFSETS AND LOCATION CHANGES IN PIPE AND DUCT AND IN DUCT ASPECT RATIO AS REQUIRED IN CONGESTED CEILING OR MECHANICAL SPACES.
- TOTAL STATIC PRESSURE NOTED IN FAN SCHEDULES INCLUDES DUCT SYSTEM, TERMINAL UNITS, COILS, ETC. AIR HANDLER EXTERNAL STATIC PRESSURE DOES NOT INCLUDE COILS, CLEAN FILTERS OR ANY OTHER PRESSURE DROPS ASSOCIATED WITH ITEMS WITHIN THE AIR HANDLER ASSEMBLY EXCEPT FILTER DIRT LOADS.
- HYDRONIC HOT WATER: PIPING 2" AND SMALLER SHALL BE TYPE "L" HARD COPPER WITH LEAD-FREE SOLDER JOINTS, WROUGHT FITTINGS, 150-LB. SCREWED CONNECTIONS, AND FULL-PORT BALL VALVES.
- PIPE HANGERS AND SUPPORTS SHALL BE FACTORY FABRICATED ACCORDING TO MSS SP-58 AND SHALL BE INSTALLED PER MSS-69. CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS STEEL REQUIRED FOR SUPPORTS AND HANGERS. DO NOT HANG ANYTHING FROM MECHANICAL OR ELECTRICAL EQUIPMENT.
- PROVIDE & INSTALL 1/2" MIN. FIBERGLASS INSULATION WITH ALL-SERVICE JACKET ON ALL REFRIGERANT LINES.
- UPON COMPLETION OF INSTALLATION & STARTUP OF HVAC SYSTEMS, PROVIDE CERTIFIED AIR TEST AND BALANCE REPORT BY AN INDEPENDENT NEBB OR AABC-CERTIFIED CONTRACTOR. AIR BALANCE SHALL INCLUDE ALL NEW SUPPLY DUCTS, BRANCH DUCTS, RETURN DUCTS, DIFFUSERS, TRANSFERS, AND GRILLES.
- THERMOSTATS SHALL BE MOUNTED 60" A.F.F.

ELECTRICAL NOTES

- OUTSIDE UNIT**
- RUN THREE (3) #12 THHN WIRE IN 3/4" CONDUIT FROM PANEL "E-1" TO OUTDOOR CONDENSING UNIT CU-202. PROVIDE AND INSTALL NEW 20-AMP, 2-POLE CIRCUIT BREAKER IN G.E. PANEL AS REQUIRED FOR NEW UNIT.
 - INSTALL DISCONNECT SWITCH AT NEW CONDENSING UNIT CU-202 (PROVIDED BY MECHANICAL CONTRACTOR).
- INSIDE UNIT**
- RUN THREE (3) #12 THHN WIRE IN 3/4" CONDUIT FROM NEW 20-AMP, 1-POLE, CIRCUIT BREAKER IN SECOND FLOOR PANEL "G" TO CEILING-MOUNTED AIR HANDLING UNIT AC-202.

KEY NOTES

- MAINTAIN MFG. REQUIRED CLEARANCES AROUND UNIT.
- ROUTE REFRIGERANT LINES UP SIDE OF BUILDING TO 2ND FLOOR. ENTER ABOVE CEILING LEVEL. INSULATE WITH 1/2" ARMAFLEX INSULATION.

UNIVERSITY OF KENTUCKY
Physical Plant Division

UK

BUILDING NAME
PROJECT NAME
BUILDING NUMBER: 0000

Draw name

REVISIONS	DATE
BY: _____	DATE _____

DESIGNED BY: XXX
DRAWN BY: XXX
CHECKED BY: XXX
APPROVED BY: XXX
PROJECT NO.: XXXXXX
DATE: XX-XX-XXXX

DRAWING NUMBER: 1 of 1