

DEV
PLAN

23001

ISSUED: 7-19-2023
DWG BY: -
CKD BY: BEB
REVISIONS
7/18/23 OWNER REVISION

SHEET NO.
P-3

NOTE:
ANY EXISTING INFORMATION SHOWN ON THIS SHEET IS FROM PREVIOUS PERMIT DRAWINGS.
THE CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND FIELD VERIFYING ALL
RELEVANT INFORMATION. THE SUBMISSION OF A BID INDICATES ACCEPTANCE OF EXISTING CONDITIONS.
NOTIFY THE ENGINEER OF ANY DISCREPANCIES NOTED.
REMOVE AND REPLACE ALL CONCRETE, WALL BOARD AND CEILINGS AS REQUIRED TO LOCATE EXISTING
LINES AND INSTALL NEW LINES.

IT IS THE RESPONSIBILITY OF THE PLUMBING CONTRACTOR TO LOCATE ANY AND ALL EXISTING
BUILDING SYSTEMS IN CONCRETE, FLOORS, WALLS, CEILINGS, ETC., PRIOR TO START OF WORK.
THAT MAY BE ENCOUNTERED DURING CONSTRUCTION TO DETERMINE METHODS REQUIRED TO AVOID
AND/OR MAINTAIN EXISTING SYSTEMS OPERATION. COORDINATE WITH BLDG. OWNER, ARCH., G.C.
THE PLUMBING CONTRACTOR SHALL LOCATE, TRACE, AND INSPECT FOR PROPER DRAINAGE AND
CONDITION. ANY/ALL EXISTING BUILDING DRAINAGE LINES AND SYSTEMS (SANITARY, GREASE, ETC.)
THAT ARE TO BE UTILIZED BY THE OCCUPANT/NEW CONNECTIONS PER DESIGN DRAWINGS THROUGH
USE OF CAMERA, DYES, AND/OR ANY MEANS NECESSARY- PRIOR TO THE START OF WORK. THE
CONTRACTOR SHALL REMEDY ANY ISSUES IN ORDER TO ENSURE A PROPER FUNCTIONING, CODE
COMPLIANT SYSTEM, WHICH INCLUDES BUT IS NOT LIMITED TO, JETTING OF LINES, REMOVAL OF
DEBRIS, REPLACEMENT OF ANY IMPROPER OR DAMAGED PIPING, VERIFY AVAILABLE DEPTH/INVERT
REQUIREMENTS, FLOW DIRECTION OF EXISTING LINES, PROVIDE DOCUMENTATION TO THE ENGINEER
FOR REVIEW. THE EXISTING AND NEW DRAINAGE SYSTEMS/CONNECTIONS SHALL BE TESTED FOR
PROPER OPERATION UPON COMPLETION OF WORK. ALL ISSUES AND SOLUTION OPTIONS ARE TO BE
COORDINATED WITH THE DRAINAGE SYSTEM/BUILDING OWNER, G.C., ARCHITECT, AND ENGINEER.
PROVIDE AS-BUILT DRAWINGS FOR ENGINEER REVIEW.

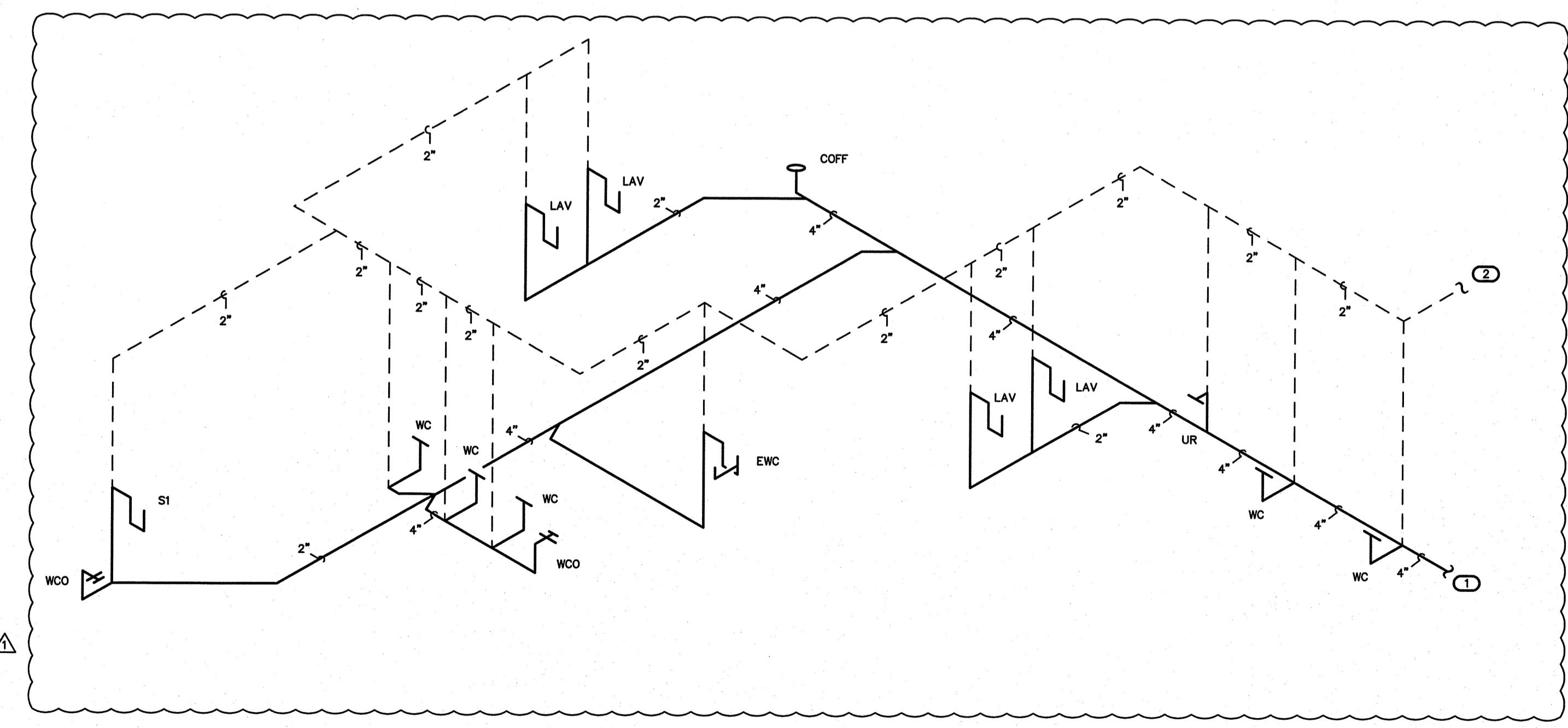
COORDINATE WORK WITH BUILDING OWNER SO AS NOT TO IMPACT OPERATION OF ANY ADJACENT
SPACES/LEVELS. NIGHT AND WEEKEND WORK MAY BE REQUIRED.

- KEY NOTES FOR SHEET P-3
- 1 CONNECT TO EXISTING 4" SANITARY WASTE MAIN IN AREA. VERIFY LOCATION.
 - 2 CONNECT TO EXISTING 2" (MIN.) VENT ABOVE CEILING/BELOW ROOF STRUCTURE. VERIFY LOCATION/ROUTING.

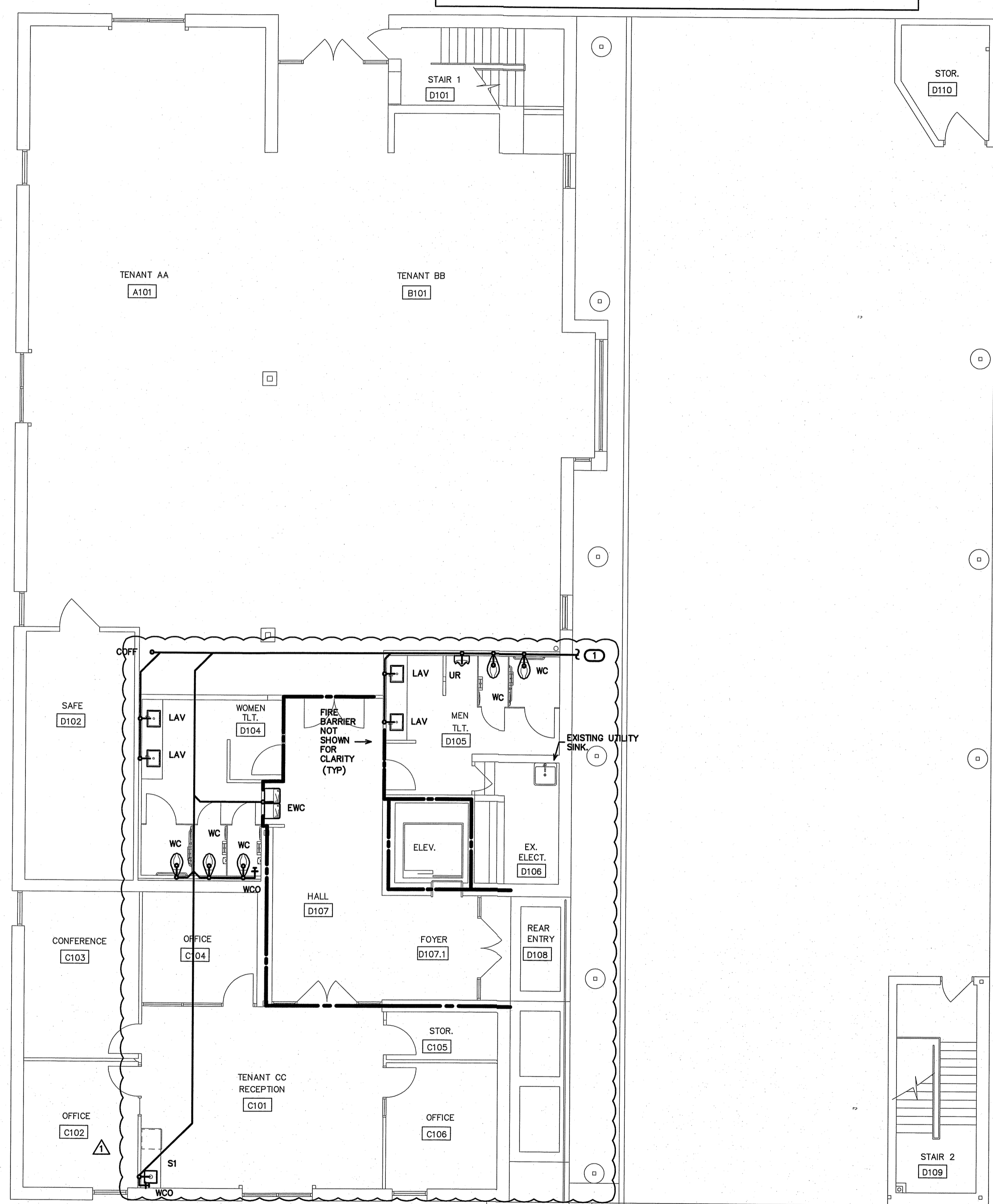
(VERIFY ALL EQUIPMENT REQUIREMENTS PRIOR TO ROUGH-IN)

PIPE SIZING SCHEDULE		
FIXTURE TYPE	DRAIN	VENT
(EWC) ELECTRIC WATER COOLER	1 1/4"	1 1/4"
(LAV) LAVATORY	1 1/2"	1 1/4"
(SI) SINK	1 1/2"	1 1/4"
(UR) URINAL	2"	1 1/2"
(WC) FLUSH VALVE WATER CLOSET	3"	1 1/2"

DWV RISER NOTES:
REPRESENTATIVE SIZES ARE GIVEN FOR EACH TYPE OF FIXTURE.
SEE PIPE SIZING SCHEDULE.
MINIMUM 2" DRAIN LINE SIZE UNDER SLAB.
MAINTAIN PIPE SIZES SHOWN UNTIL LARGER SIZE IS REACHED.
PIPE SIZES ARE MINIMUMS FOR INDIVIDUAL FIXTURES U.O.N.



2 DWV RISER
P-3 SCALE: NOT TO SCALE



1 DWV PLAN
P-3 SCALE: 1/8"=1'-0"

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HVAC EQUIPMENT SCHEDULE	
HVAC SYSTEM #3	
AHU-3 DIRECT EXPANSION FAN COIL UNIT	CARRIER MODEL #FX4CNF037, 4 WAY, MULTIPPOSE FAN COIL UNIT, 6 KW HEATER. * NOMINAL CAPACITY = 36,000 BTUH, 1200 CFM NOMINAL. PROVIDE HARD SHUT-OFF TVX VALVE, 3 TON NOMINAL. PROVIDE PROGRAMMABLE THERMOSTAT AND FILTER RACK WITH HINGED DOOR, 1/2HP, 4.1A MOTOR FLA, 28.9A HEAT FLA, 200V, 1 PH, 44.7A MCA, 45A MOCP AHU & HEAT.
HP-3 OUTDOOR HEAT PUMP UNIT	CARRIER MODEL #ZHCCS36A0030, 3 TON OUTDOOR HEAT PUMP UNIT, 15 SEER, PROVIDE CYCLE PROTECTOR, LOW PRESSURE SWITCH, CRANKCASE HEATER, 208 VOLT, 1 PHASE. * COMP 16.7A RLA, FAN 1.2A FLA, OUTDOOR HEAT PUMP 22.1A MCA, 35A MOCP.

* OR APPROVED EQUAL

AHU CONTROL NOTE:
FOR EACH SYSTEM PROVIDE "SIMPLE ENGINEERED SOLUTIONS" MODEL #FDM-XX HEAT PUMP DEHUMIDIFICATION CONTROL MODULE. PROVIDE PROGRAMMABLE ELECTRONIC THERMOSTAT WITH AUTO CHANGEOVER AND HUMIDISTAT FUNCTION. THERMOSTAT SHALL BE COMPATIBLE WITH DEHUMIDIFICATION CONTROL MODULE. PURPOSE OF DEHUMIDIFICATION CONTROL MODULE IS TO INITIATE COOLING MODE WHEN HUMIDISTAT SENSES HUMIDITY OVER SETPOINT AND ENERGIZE AND CONTROL ELECTRIC HEAT TO MAINTAIN SPACE TEMPERATURE. CONTACT SIMPLE ENGINEERED SOLUTIONS FOR INFORMATION ON DEHUMIDIFICATION CONTROL MODULE: (910) 231-9929, email: jmauggs@stee.com.

AIR DISTRIBUTION SCHEDULE							
MARK	* MANUFACTURER	MODEL NO.	NECK SIZE	FACE SIZE	MATERIAL	SERVICE	NOTES
A	CARNES	SPAB224	SEE FLEXIBLE DUCT SCHEDULE	24" X 24"	STEEL	SUPPLY	LAY-IN CEILING, WHITE 4-WAY BLOW
E	CARNES	RTDBH	12" X 12"	14" X 14"	STEEL	EXHAUST	DUCT, SIDE WALL, OR CEILING MOUNTED
RA	CARNES	SPRB22	SEE FLEXIBLE DUCT SCHEDULE	24" X 24"	STEEL	RETURN	LAY-IN CEILING, WHITE

* OR APPROVED EQUAL

COORDINATE BORDER TYPE WITH THE CEILING TYPE. SEE ARCH SHEETS
PROVIDE CUT SHEETS TO OWNER/ARCH. PRIOR TO ORDERING.

EXHAUST FAN SCHEDULE	
EXHAUST FAN #1 (EF-1)	* CARNES MODEL# YEDK-15-M3 ROOF MOUNTED EXHAUST FAN, 1135 CFM @ 1/2" SP, 875 RPM, 1/3 HP, 120V. THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE SWITCH AND WIRE THE UNIT. THE HVAC CONTRACTOR SHALL PROVIDE UNIT, GRAVITY BACKDRAFT DAMPER, AND FACTORY PREFAB ROOF CURB. LOCATE EXHAUST TERMINATION A MINIMUM OF 10'-0" FROM ANY INTAKES. PROVIDE FACTORY SPEED CONTROLLER FOR BALANCING FAN.

* OR APPROVED EQUAL

NOTE: ALL EXHAUST FANS SHALL HAVE GRAVITY BACKDRAFT DAMPERS PER NCSBC, ENERGY CONSERVATION CODE.

FLEXIBLE DUCTWORK SIZES MAXIMUM CFM'S		
SIZES	SUPPLY	RETURN
6"	100	100
8"	175	175
10"	250	250
12"	400	350
14"	550	500
16"	NA	900

(CHANGE OUT EXISTING FLEX DUCTS AND COLLARS AS REQUIRED TO GET NEW CFM'S SHOWN)

FLEXIBLE DUCTWORK NOTES
1) INSTALL FLEXIBLE DUCTWORK RUNS AS STRAIGHT AS POSSIBLE.
2) DO NOT ALLOW FLEXIBLE DUCT TO SAG BETWEEN SUPPORTS.
3) DO NOT STRETCH A SHORT SECTION TO FIT A SLIGHTLY LONGER SECTION. THIS DISTORTS THE DUCT SHAPE AND IMPEDES AIR FLOW.
4) DO NOT CRUSH DUCTWORK TO FIT IN A SPACE SMALLER THAN ITS ORIGINAL OUTSIDE DIAMETER. MAXIMUM ALLOWABLE DEFORMATION IS 15% OF ORIGINAL VOLUME.
5) USE RIGID 90 DEGREE ELBOWS AT ANY LOCATION WHERE THE DUCTWORK BECOMES DISTORTED.
6) EXTREME CARE SHALL BE TAKEN TO ELIMINATE ANY REDUCTION IN FLOW WITHIN THE FLEXIBLE DUCTS. THE MECH. CONTRACTOR WILL BE REQUIRED TO REPLACE THE FLEXIBLE DUCT WITH RIGID IF PROPER FLOW IS NOT OBTAINED.
7) SIZE ALL FLEXIBLE DUCT SO AS NOT TO EXCEED MAXIMUM CFM'S GIVEN IN TABLE.

GENERAL NOTES - MECHANICAL

- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE CODE AND ALL LOCAL AND OTHER APPLICABLE CODES.
- ANY PERMITS AND INSPECTION FEES SHALL BE SECURED AND PAID FOR BY THE MECHANICAL CONTRACTOR (MC).
- ALL WORK SHALL BE PERFORMED BY EXPERIENCED AND SKILLED CRAFTSMEN. THE MC SHALL COORDINATE ALL OF HIS WORK WITH THE GENERAL CONTRACTOR (GC) AND OTHER TRADES.
- THE LOCATION OF ALL DUCT, PIPING AND EQUIPMENT SHALL BE ADJUSTED TO ACCOMMODATE ANTICIPATED OR ENCOUNTERED INTERFERENCES.
- THESE PLANS ARE DIAGRAMMATIC AND MAY NOT SHOW MINOR DETAILS AND LOCATIONS. FOR DIMENSIONS REFER TO THE ARCHITECTURAL PLANS.
- THE MC SHALL BE RESPONSIBLE FOR ALL ELECTRICAL STARTERS INTERLOCKS, CONTROL WIRING CONDUIT AND POWER WIRING FROM DISCONNECTS TO HIS EQUIPMENT, USING A LICENSED ELECTRICIAN.
- THE MC SHALL USE FIRE DAMPERS FOR PROTECTION OF THE OPENING IN ACCORDANCE WITH STATE AND LOCAL CODES IN ALL LOCATIONS WHERE PENETRATIONS OF RATED WALLS AND FLOORS OCCUR. SEE ARCHITECTURAL PLANS FOR RATED WALL AND FLOOR LOCATIONS. PROVIDE ACCESS DOORS AT ALL DAMPER LOCATIONS. LOCATE DOORS FOR EASY ACCESS.
- INSTALL FLEXIBLE CONNECTORS ON SUPPLY AND RETURN DUCTWORK AHU. ALL MECHANICAL EQUIPMENT SHALL OPERATE FREE OF OBJECTIONAL NOISE AND VIBRATION.
- INSTALL TURNING VANES IN SUPPLY DUCTS AT ALL ELBOWS AND SPLITTER DAMPERS. PROVIDE BALANCING DAMPERS IN ALL DUCTS WHERE SHOWN OR REQUIRED FOR SYSTEM BALANCING.
- DUCT DIMENSIONS ARE SHOWN INSIDE CLEAR.
- THE MC SHALL KEEP THE PREMISES CLEAR OF DEBRIS FROM HIS WORK DURING CONSTRUCTION AND LEAVE THE AREA AND BUILDING CLEAN AT THE COMPLETION OF HIS WORK. HE SHALL ALSO LEAVE CLEAN ALL EXPOSED EQUIPMENT IN HIS CONTRACT.
- PROVIDE ALL REQUIRED ROOF PENETRATIONS FOR THE INSTALLATION OF THE NEW EQUIPMENT. ALL FLASHINGS ARE BY THE MECHANICAL CONTRACTOR. ALL ROOFING WORK SHALL BE DONE BY A LICENSED ROOFING CONTRACTOR SO AS TO MAINTAIN ORIGINAL WARRANTY.
- THE M.C. SHALL COORDINATE WITH AND PROVIDE EQUIPMENT SPEC. SHEETS TO THE GENERAL AND ELECTRICAL CONTRACTORS FOR REVIEW PRIOR TO ORDERING EQUIPMENT.
- PROPERLY SUPPORT ALL DUCT WORK, AND EQUIP FROM STRUCTURE. PROVIDE ALL STRUCTURAL SUPPORTS FOR THE LOADS AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.

LEGEND - MECHANICAL

	RECTANGULAR DUCTWORK, INSIDE CLEAR DIMENSION INDICATED (WIDTH X HEIGHT)
	FLEXIBLE DUCTWORK
	ROUND GALVANIZED STEEL DUCT, INSIDE CLEAR DIMENSION INDICATED.
	DOUBLE WALLED GALVANIZED STEEL SPIRAL DUCT, INSIDE CLEAR DIMENSION INDICATED.
	DUCT MOUNTED SUPPLY AIR DIFFUSER
	SUPPLY DIFFUSER
	RETURN GRILLE
	WALL MOUNTED THERMOSTAT (UNIT SERVED IS INDICATED)
	GRILLE TYPE
	MIN. CFM
	1 HOUR FIRE BARRIER
	CONDENSATE PIPING
	REFRIGERANT PIPING

APPENDIX B 2018 BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

MECHANICAL DESIGN (PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE) MECHANICAL SUMMARY

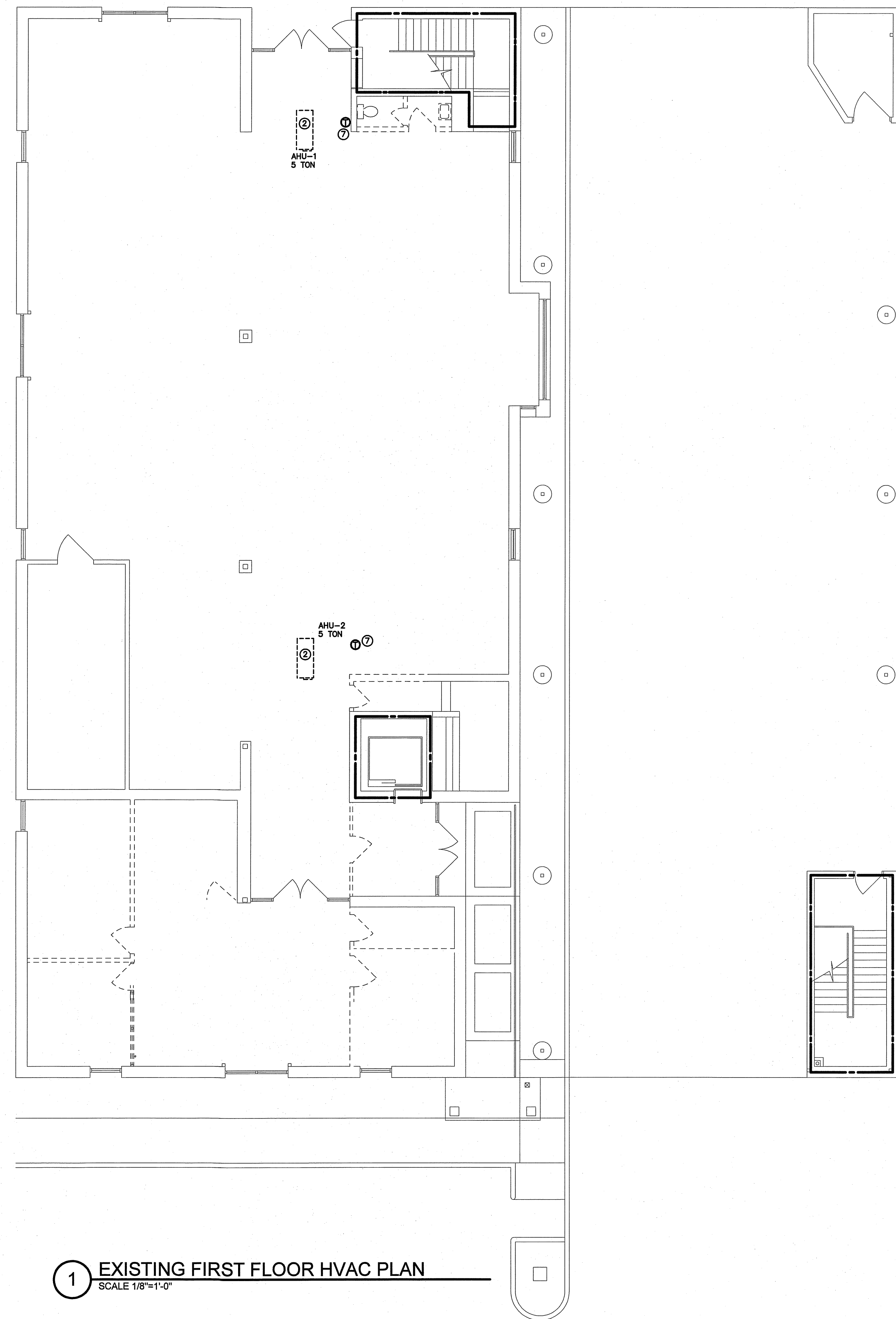
MECHANICAL SYSTEMS, SERVICE SYSTEM AND EQUIPMENT

Thermal Zone	
winter dry bulb	16F
summer dry bulb	93F
Interior Design Conditions	
winter dry bulb	72F
summer dry bulb	75F
relative humidity	50%
Building Heating Load (Tenant space only)	21,700 BTU/hr
Building Cooling Load (Tenant space only)	33,600 BTU/hr
Mechanical Spacing Conditioning System	
Unitary -	The tenant space is served the following systems: (1) New 3 Ton split system heat pump unit
Boiler -	Not applicable to this project.
Chiller -	Not applicable to this project.
Equipment efficiencies	Efficiencies and outputs are listed on equipment schedules - See drawings.

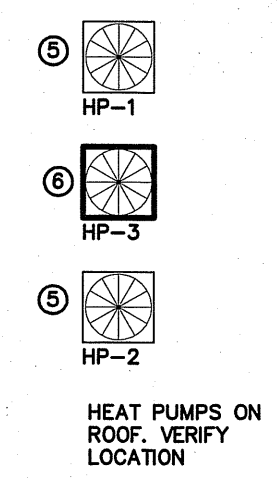
OA SCHEDULE OUTDOOR VENTILATION AIR PROVIDED PER TABLE 403.3 NCSBC MECHANICAL CODE.							
APPLICATION	SQUARE FOOTAGE (SF)	AREA OUTDOOR AIR FLOW RATE (CFM/SF)	PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	OCCUPANCY DENSITY RATE (# PEOPLE/1000SF)	OCCUPANCY (# PEOPLE)	AREA OUTDOOR AIR FLOW (CFM)	PEOPLE OUTDOOR AIR FLOW (CFM)
OFFICE	859	0.06	5	5	6	52	30
CORRIDOR	429	0.06	-	-	-	26	-
STORAGE	128	0.12	-	-	-	15	-
CONFERENCE	193	0.06	5	50	10	12	50
TOTAL REQUIRED							185
OUTDOOR AIR PROVIDED FROM EACH HVAC UNIT *							
HVAC UNIT				OUTDOOR AIR (CFM)			
AHU-3				200 - 8" DIA. O.A. DUCT			
TOTAL PROVIDED				200			
APPLICATION				CFM			
TOILETS				70 CFM/FLUSHING FIXTURE			
8 FLUSHING FIXTURE X 70 CFM = 420 CFM							
EXHAUST PROVIDED BY TWO EXHAUST FANS, MAKE UP AIR BY TRANSFER AIR							

* SET OUTDOOR AIR DAMPER CONTROLS TO PROVIDE OUTDOOR AIR AS INDICATED IN THIS SCHEDULE.

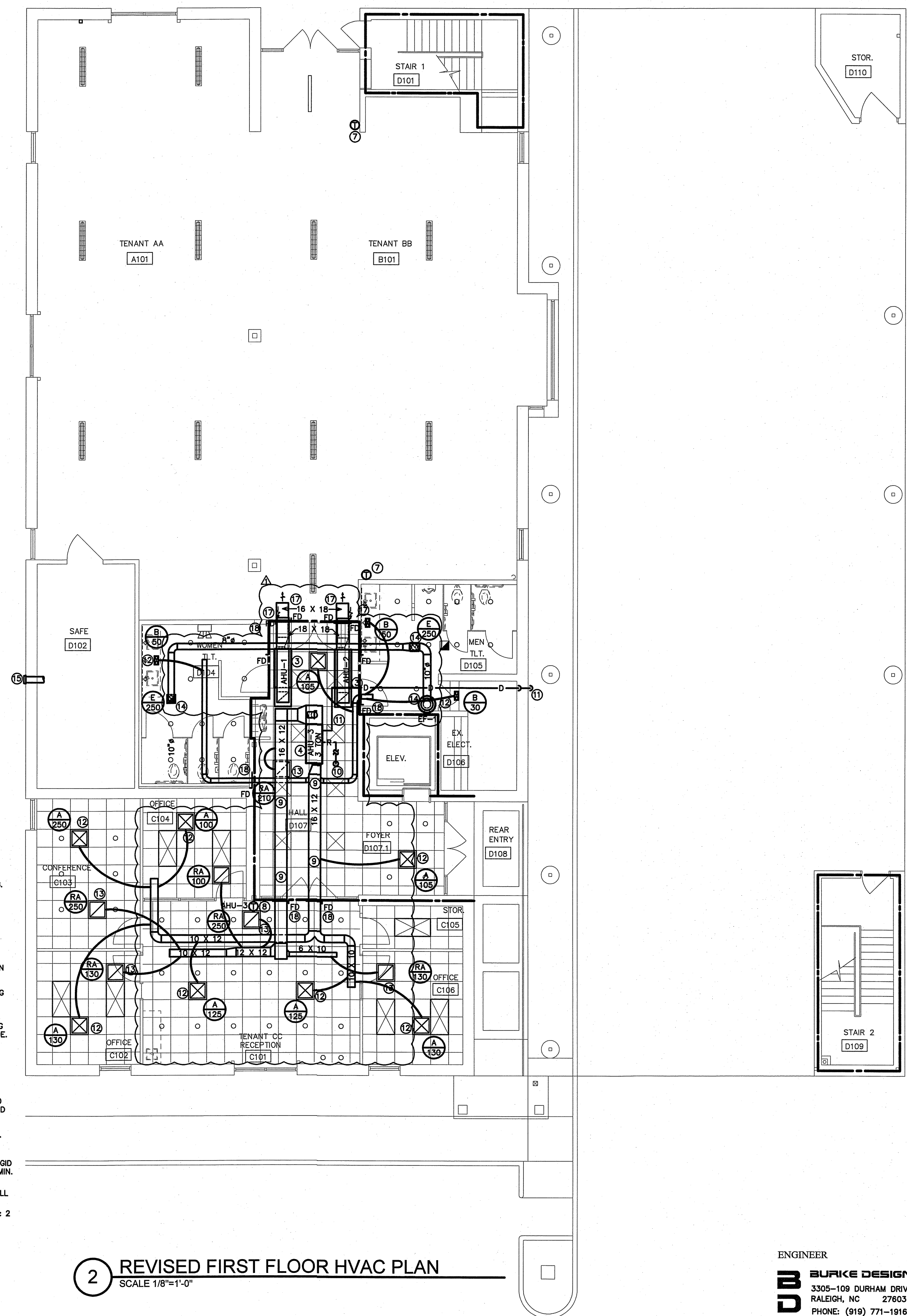
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1 EXISTING FIRST FLOOR HVAC PLAN
 SCALE 1/8"=1'-0"



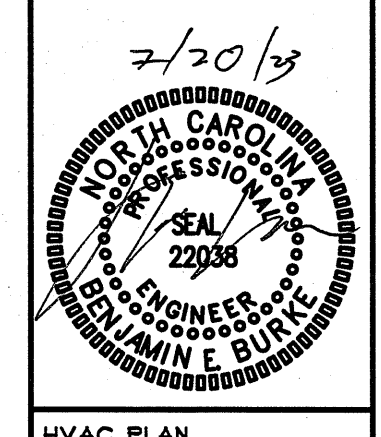
- KEY NOTES FOR SHEET M2
- 1 NOT USED.
 - 2 EXISTING AIR HANDLER TO BE RELOCATED
 - 3 NEW LOCATION FOR EXISTING AIR HANDLER, EXTEND REFRIGERANT & CONDENSATE LINES AS REQUIRED
 - 4 NEW AIR HANDLER MOUNTED FROM STRUCTURAL FRAMING.
 - 5 EXISTING HEAT PUMP ON ROOF.
 - 6 NEW HEAT PUMP ON ROOF.
 - 7 EXISTING THERMOSTAT TO REMAIN.
 - 8 NEW THERMOSTAT. MOUNT AT 48" AFF.
 - 9 NEW DUCTWORK, MOUNTED TO STRUCTURAL FRAMING. RUN ABOVE NEW LAY-IN CEILING. SEE DETAIL 183/M3.
 - 10 RUN REFRIGERANT PIPING CONCEALED ABOVE NEW CEILING AND UP TO ROOF MOUNTED HEAT PUMP IN CHASE OR CONCEALED IN WALLS.
 - 11 RUN CONDENSATE PIPING CONCEALED ABOVE NEW CEILING AND DOWN IN EXTERIOR WALL TO 4" ABOVE FINISH GRADE. TERMINATE IN ELBOW TURNED DOWN.
 - 12 NEW SUPPLY AIR DIFFUSERS.
 - 13 NEW RETURN AIR GRILLES.
 - 14 FOR TWO EXHAUST GRILLES, RUN 8" DIAMETER RIGID EXHAUST DUCTS TO AN 10" EXHAUST DUCT AND RISE TO RUN THROUGH CHASE TO ROOF. RUN TO A 14" DUCT AND CONNECT TO NEW EXHAUST GRILLES ON 2ND FLOOR. REPLACING 2ND FLOOR EXHAUST FANS. CONNECT TO EXHAUST FAN ON ROOF. COORDINATE WITH ARCH/OWNER. EXHAUST DISCHARGE SHALL BE 10'-0" MIN. FROM ANY OUTSIDE AIR INTAKE.
 - 15 WALL MOUNTED OUTSIDE AIR INTAKE HOOD TO 8" DIA. RIGID DUCT SUPPLYING AHU-3. AIR INTAKE SHALL BE 10'-0" MIN. FROM ANY OUTSIDE EXHAUST DISCHARGE.
 - 16 ROOF MOUNTED EXHAUST FAN. EXHAUST DISCHARGE SHALL BE 10'-0" MIN. FROM ANY OUTSIDE AIR INTAKE.
 - 17 EXTEND RETURN/SUPPLY DUCTS FROM EXISTING AHU 1 & 2 INTO SPACE FOR FUTURE CONNECTION.
 - 18 PROVIDE FIRE DAMPERS AT ALL RATED WALLS. (TYPICAL)



2 REVISED FIRST FLOOR HVAC PLAN
 SCALE 1/8"=1'-0"

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**BURNS AND WILCOX CENTER
 FIRST FLOOR RENOVATIONS TENANT C
 MOREHEAD CITY, NORTH CAROLINA**



HVAC PLAN

23001

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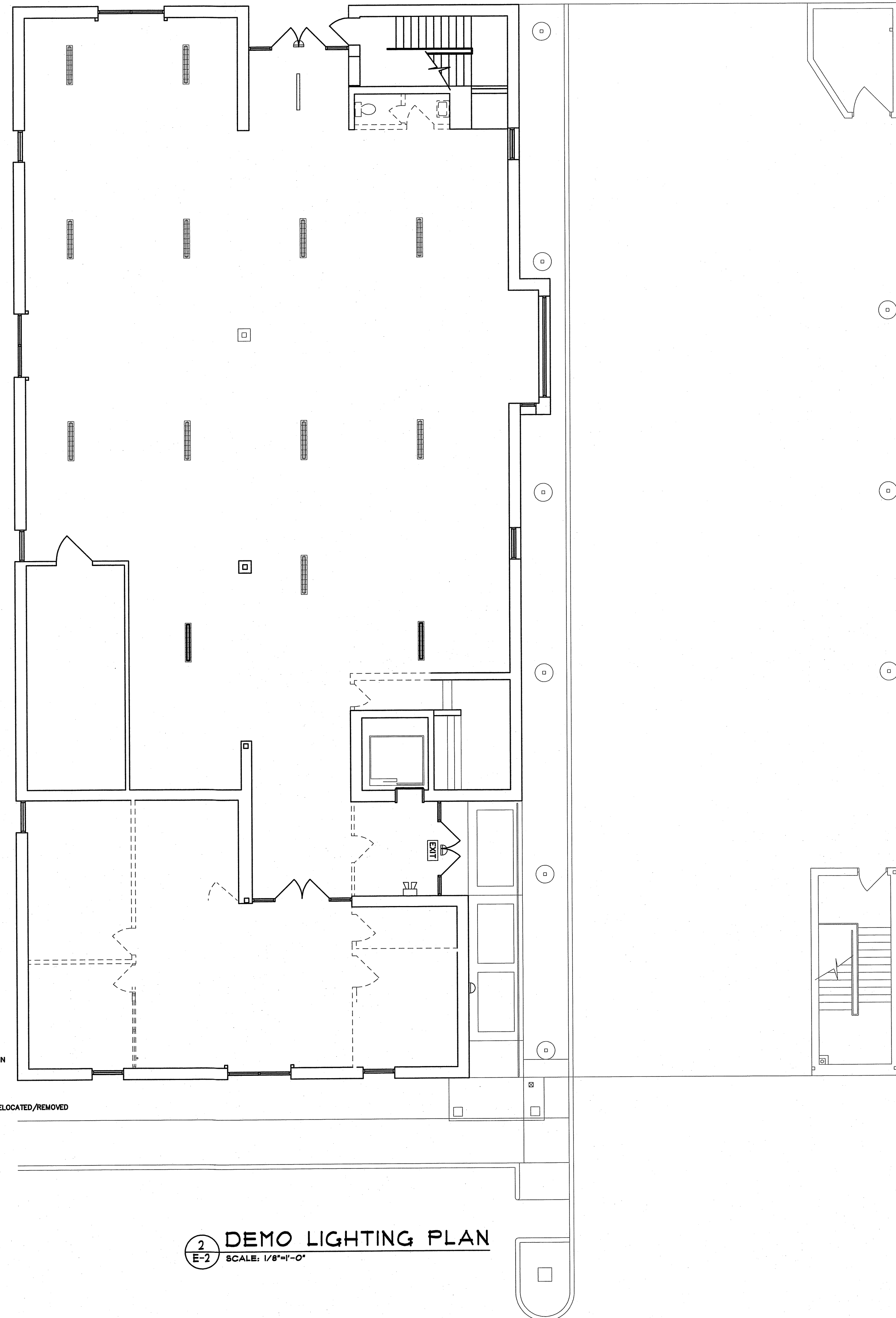
DWG BY: -

CKD BY: BEB

REVISIONS

7/18/23	OWNER CHANGES
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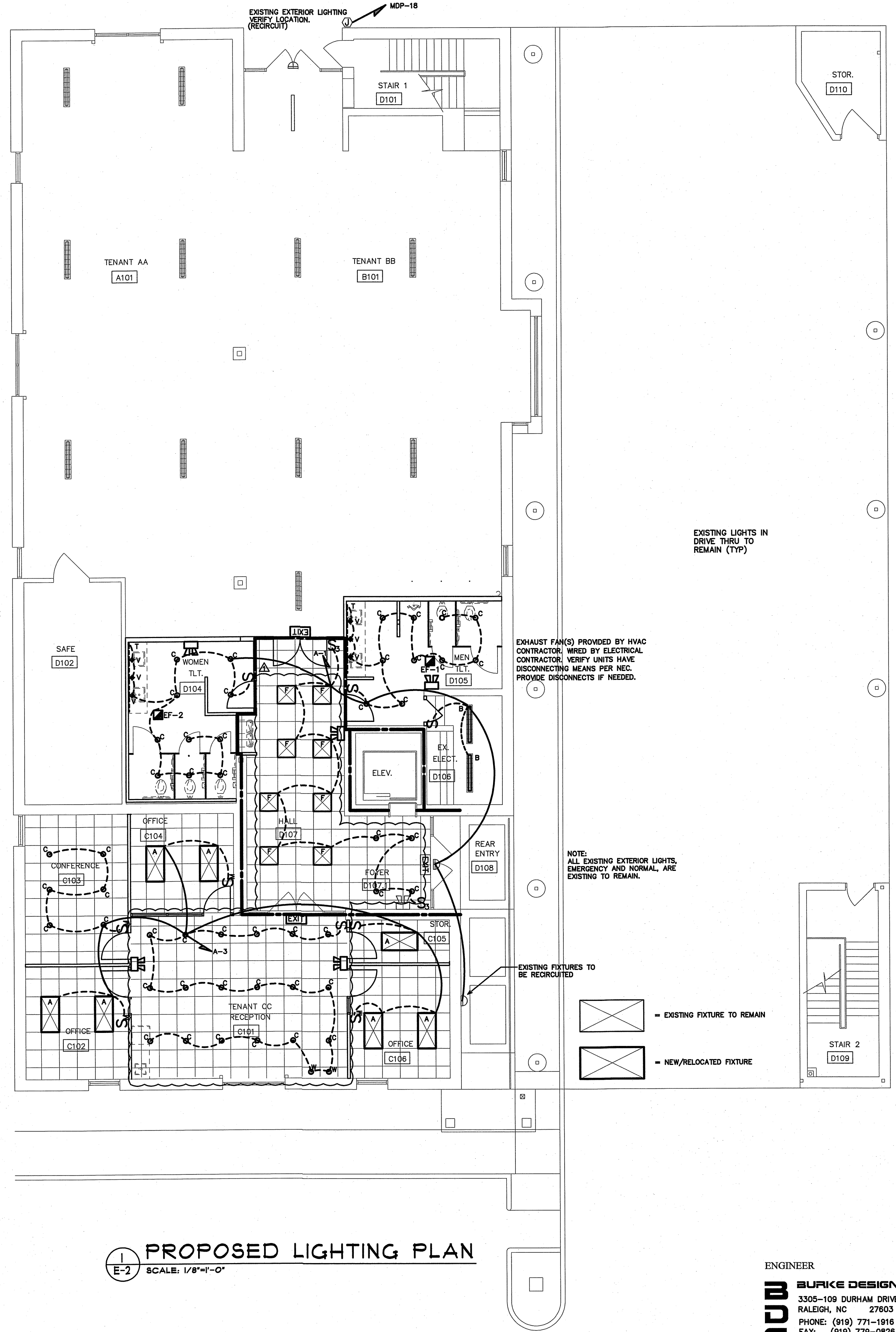
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2 DEMO LIGHTING PLAN
E-2 SCALE: 1/8"=1'-0"

MARK	MANUFACTURER	CATALOG NO.	VOLT	LAMPS NO. TYPE W	BALLAST TYPE	W/ FIXTURE	REMARKS
A	COLUMBIA	LCAT24-35LWG-EDU	120	LED	-	40	2X4 LAY-IN LED FIXTURE *
B	COLUMBIA	CS4-228-EJ (CSWG4 GUARD)	120	LED	-	28	4" LED STRIP WITH WIRE GUARD *
C	JUNO	IC22LED-04-14LM-35K	120	LED	-	18	6" LED RECESSED CAN FIXTURE, LAY-IN WHERE REQUIRED *
W	PRESCOLITE	LTR-6RD-H-ML-20L-DM1-IC-LTR-6RW-T-ML35K8BW	120	LED	-	23	6" LAY-IN LED WALL WASH CAN FIXTURE *
F	COLUMBIA	LCAT22-35LWG-EDU	120	LED	-	23	2X2 LAY-IN LED FIXTURE *
T	JESCO	DL-AC-FLEX2-UT	120	LED	-	5.5/FT	LED LINE VOLTAGE TAPE LIGHT *
V	CHOSEN BY OWNER/ARCH, INSTALLED BY EC		120	LED	-	30	LED VANITY LIGHT FIXTURE *
EDB	COMPASS	CEB	120	LED	-	2	LED EXIT SIGN, COLOR BY ARCH *
EDB	COMPASS	OU2	120	LED	-	10	EMERGENCY LIGHT, BATTERY BACKUP, BATTERY DIAGNOSTICS, COLOR BY ARCH *

* OR APPROVED EQUAL. PROVIDE CUT SHEETS FOR OWNER APPROVAL PRIOR TO ORDERING FIXTURES.
CATALOG NUMBERS ARE FOR REFERENCE ONLY. ACTUAL NUMBERS MAY VARY. 'EB' DENOTES
ELECTRONIC BALLAST. 'EDB' DENOTES ELECTRONIC DIMMING BALLAST.

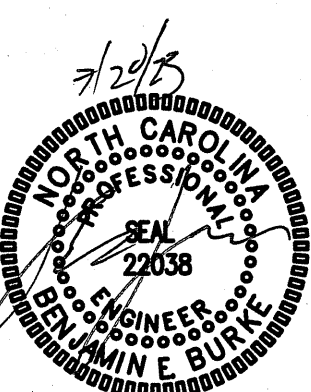


1 PROPOSED LIGHTING PLAN
E-2 SCALE: 1/8"=1'-0"

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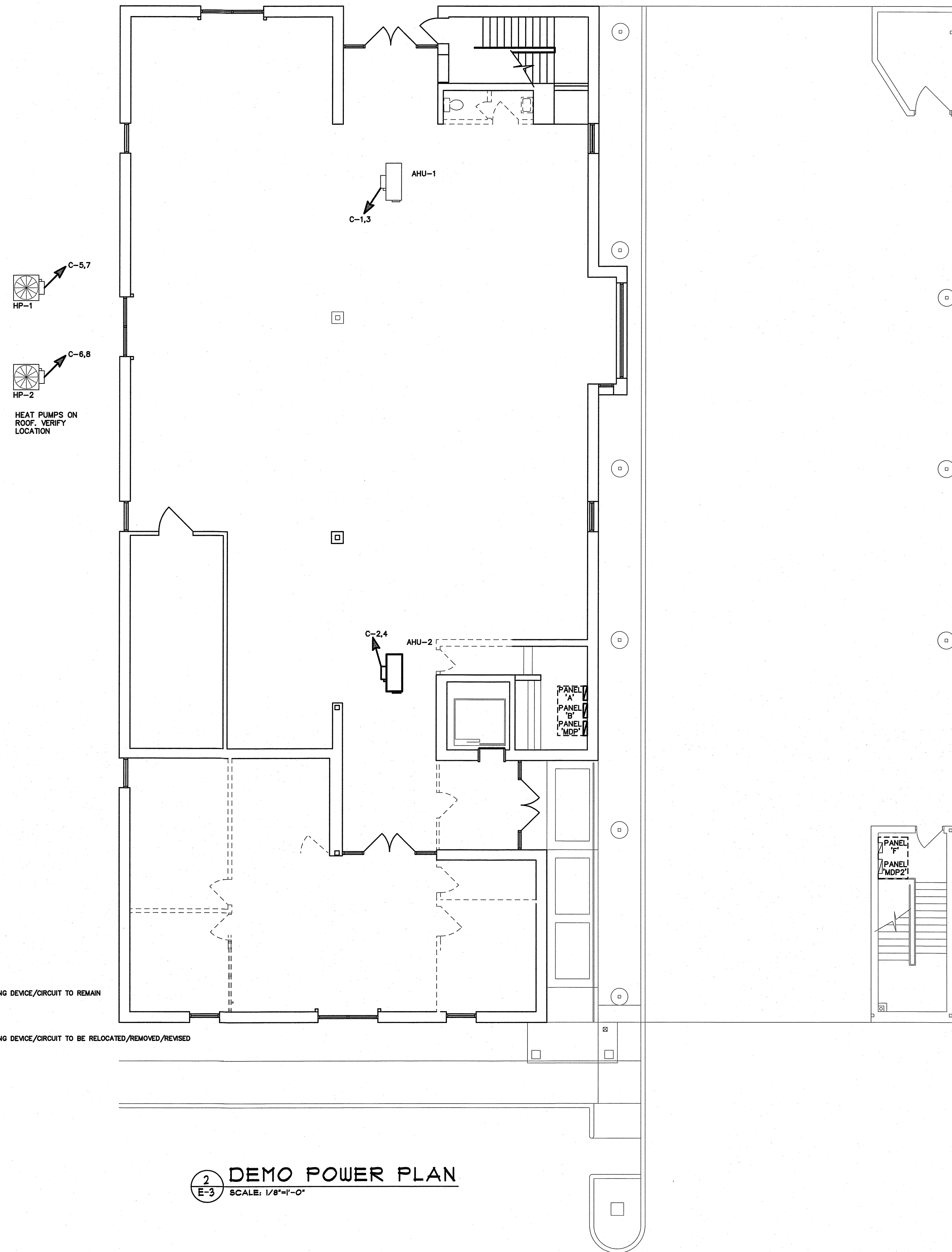
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FIRST FLOOR RENOVATIONS TENANT C
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SHEET NO.
E-2

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2 DEMO POWER PLAN
E-3 SCALE: 1/8"=1'-0"

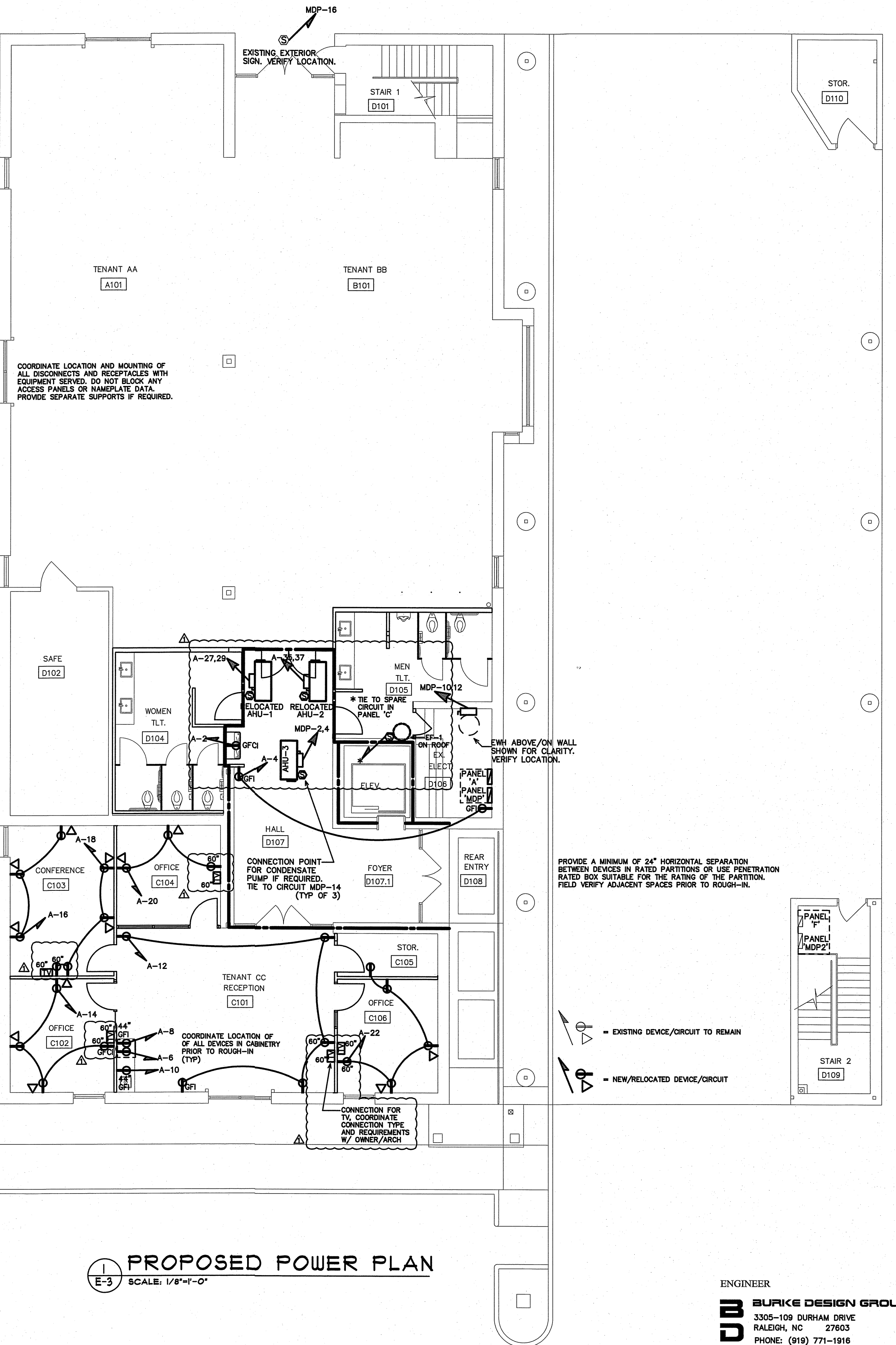
VERIFY A HP/RTI RECEPTACLE IS WITHIN 25'-0" OF ALL HVAC EQUIPMENT ON ROOF. IF NOT, PROVIDE.

A-31,33
NEMA 3R
HP-1

MDP-6,8
NEMA 3R
HP-3

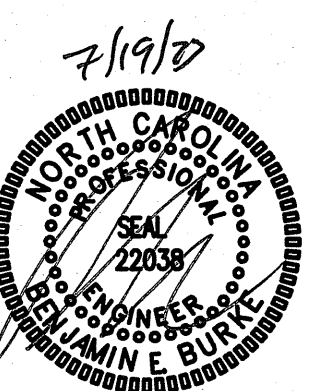
A-39,41
NEMA 3R
HP-2

HEAT PUMPS ON ROOF. VERIFY LOCATION



1 PROPOSED POWER PLAN
E-3 SCALE: 1/8"=1'-0"

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POWER PLANS

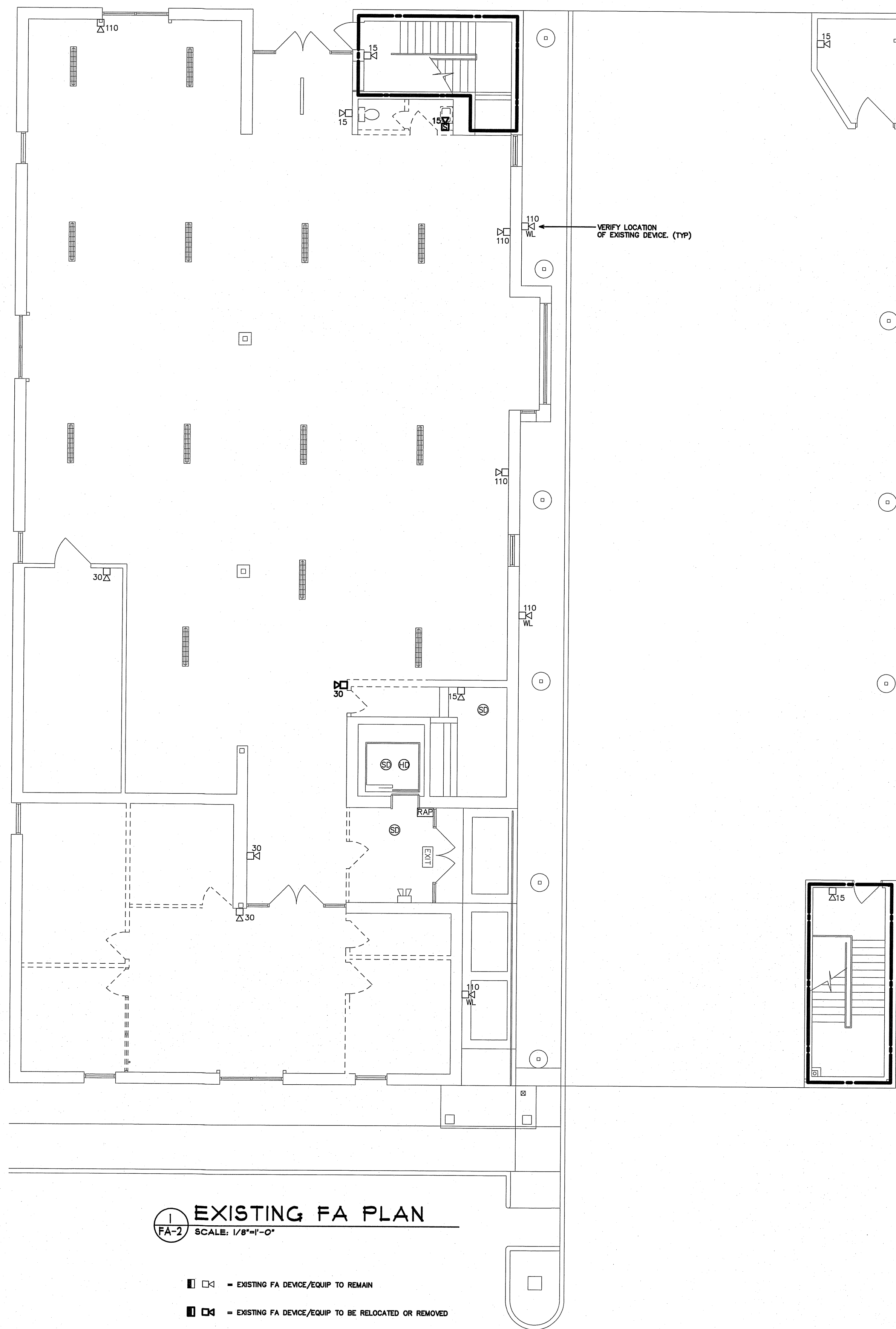
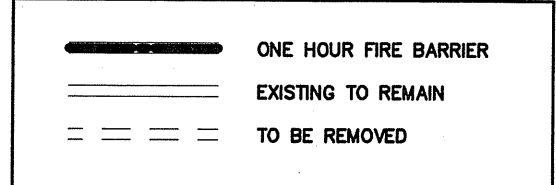
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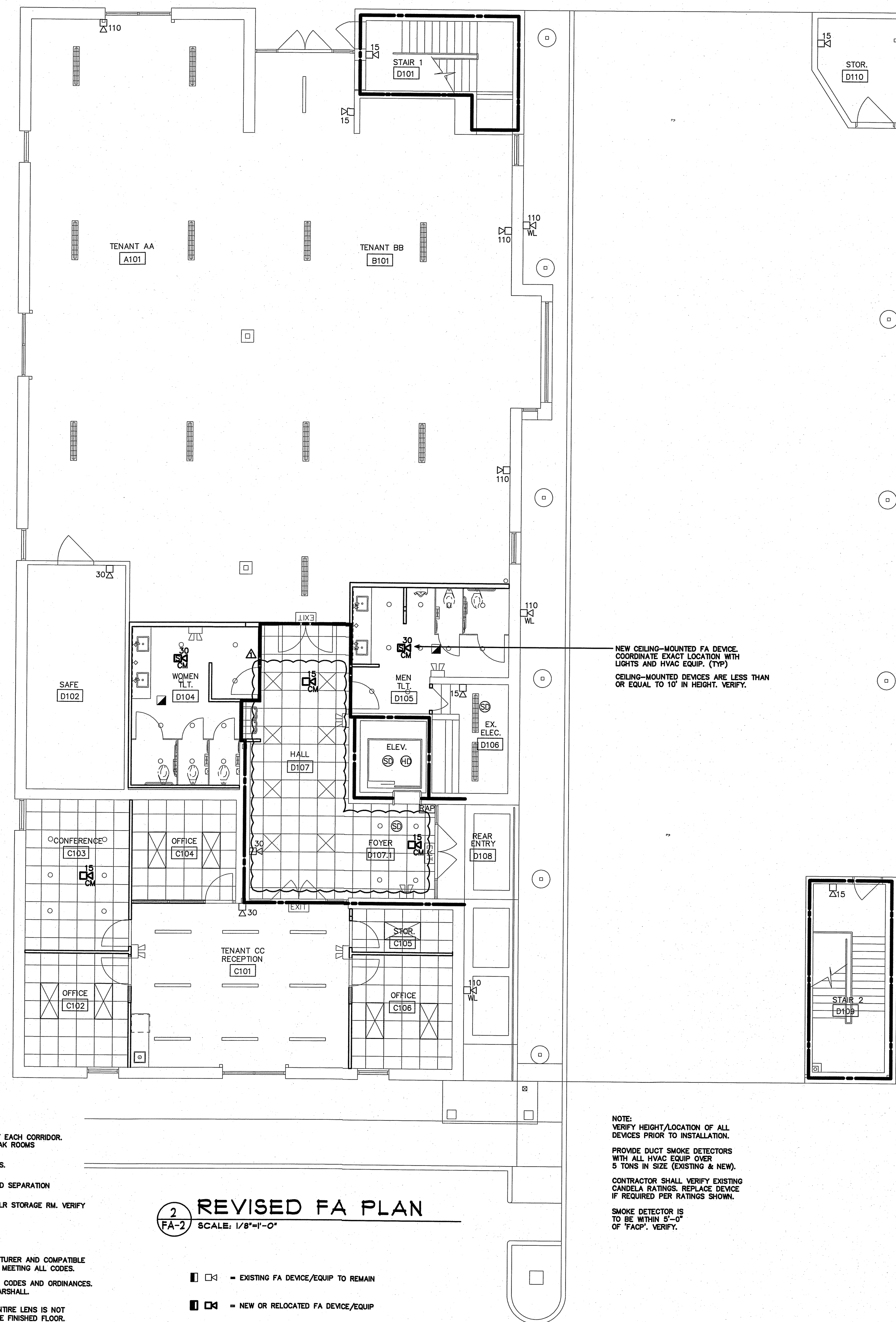
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1 EXISTING FA PLAN
SCALE: 1/8"=1'-0"

- □ - EXISTING FA DEVICE/EQUIP TO REMAIN
- □ - EXISTING FA DEVICE/EQUIP TO BE RELOCATED OR REMOVED



2 REVISED FA PLAN
SCALE: 1/8"=1'-0"

- □ - EXISTING FA DEVICE/EQUIP TO REMAIN
- □ - NEW OR RELOCATED FA DEVICE/EQUIP

GENERAL FIRE ALARM NOTES:

- 1 HORN/STROBES MUST BE WITHIN 15'-0" OF THE END OF EACH CORRIDOR. PROVIDE STROBES IN ALL CORRIDORS, BATHROOMS, BREAK ROOMS AND STORAGE AREAS. INSTALL PER ADA.
- 2 CANDELA RATINGS SHOULD BE LABELED ON ALL STROBES.
- 3 ALL STROBES WITHIN SIGHT OF EACH OTHER MUST BE SYNCHRONIZED PER NFPA 72 UNLESS MAXIMUM REQUIRED SEPARATION IS OBTAINED.
- 4 THE MAIN FIRE ALARM PANEL IS LOCATED IN THE 2ND FLR STORAGE RM. VERIFY
- 5 VERIFY THAT A SD IS ADJACENT TO THE FAOP.
- 6 ALL EXPOSED WIRE SHALL BE IN CONDUIT. ALL WIRING IN ASSEMBLY AREAS MUST BE IN CONDUIT.
- 7 ALL DEVICES, PANELS, ETC MUST BE BY SAME MANUFACTURER AND COMPATIBLE. PROVIDE ALL ITEMS REQUIRED FOR A COMPLETE SYSTEM MEETING ALL CODES.
- 8 ALL WORK MUST MEET NFPA 72 AND APPLICABLE LOCAL CODES AND ORDINANCES. COORDINATE THE INSTALLATION WITH THE LOCAL FIRE MARSHALL.
- 9 MOUNT WALL-MOUNT HORN STROBES SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80" AND NOT GREATER THAN 86" ABOVE THE FINISHED FLOOR.
- 10 MOUNT MANUAL PULL STATIONS SUCH THAT THE OPERABLE PART OF THE DEVICE IS NOT LESS THAN 42" AFF AND NOT MORE THAN 54" AFF.

NOTE:
VERIFY HEIGHT/LOCATION OF ALL DEVICES PRIOR TO INSTALLATION.
PROVIDE DUCT SMOKE DETECTORS WITH ALL HVAC EQUIP OVER 5 TONS IN SIZE (EXISTING & NEW).
CONTRACTOR SHALL VERIFY EXISTING CANDELA RATINGS. REPLACE DEVICE IF REQUIRED PER RATINGS SHOWN.
SMOKE DETECTOR IS TO BE WITHIN 5'-0" OF FAOP. VERIFY.

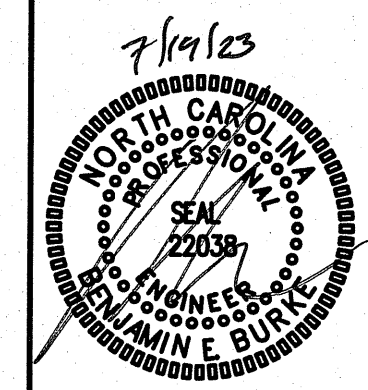
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**BURNS AND WILCOX CENTER
FIRST FLOOR RENOVATIONS TENANT C
MOREHEAD CITY, NORTH CAROLINA**



FIRE ALARM
PLANS

23001
ISSUED: 7-19-2023
DWG BY: RM
CKD BY: BEB
REVISIONS
7/18/23 OWNER CHANGES

SHEET NO.
FA-2