



GENERAL NOTES:
THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE FOLLOWING:
1. DUCT SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING SMACNA HVAC DUCT CONSTRUCTION STANDARDS:
a. DUCT WORK DOWNSTREAM OF FPH BOXES 2 INCH PRESSURE CLASS PER TABLE 1-5, CLASS A SEALED.
b. DUCT WORK DOWNSTREAM OF VAV BOXES 4 INCH PRESSURE CLASS PER TABLE 1-8 CLASS A SEALED.
2. THE SUCTION AND DISCHARGE OF ALL EXHAUST SYSTEMS SHALL BE 2 INCH PRESSURE CLASS PER TABLE 5, CLASS A SEALED.
3. NO FLEXIBLE DUCT
4. ALL AIR BALANCING MUST BE PERFORMED BY A TESTING AND BALANCING AGENCY APPROVED BY BUILDING MANAGEMENT.
5. ALL DAMPERS (FIRE, SMOKE, ETC.) VALVING AND EQUIPMENT THAT REQUIRE ACCESS SHALL BE LOCATED ABOVE ACCESS CEILING OR ACCESS DOORS SHALL BE PROVIDED FOR
6. ALL NEW AND EXISTING DUCTWORK TO BE REUSED SHALL BE INSULATED WITH FIBROUS GLASS BLANKET, FOLI-UM SCORR KRAFT FACING, 1" THICK MINIMUM.
7.

HVAC NOTES:

1. ALL TAKE-OFFS SHALL BE PROVIDED WITH VOLUME DAMPERS, PROVIDE CLIMATE OPERATED VOLUME DAMPERS FOR ALL DIFFUSERS WHERE CEILING IS INACCESSIBLE.
2. PROVIDE TRANSFER DUCTS ABOVE DUCT, CONFERENCE ROOM, BOARD ROOM, EXECUTIVE OFFICES, AND SPECIALTY ROOMS THAT ARE FULL HEIGHT CONSTRUCTION. (SIZE AS PER DETAIL ON M-200 DRAWING)
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION OF DUCTWORK.
4. PROVIDE DUCTWORK TIGHT TO UNDERSIDE OF SLAB. CROSS DUCTWORK BETWEEN BEAMS WHERE POSSIBLE, AND AVOID CROSSING DUCTWORK ABOVE RECESSED LIGHT FIXTURES TO PROVIDE MAXIMUM CLEARANCE. RUN DUCTWORK THROUGH EXISTING BEAM CUTS WHERE POSSIBLE TO ACHIEVE MAXIMUM CEILING CLEARANCE.
5. GO TO PROVIDE ACCESS DOORS AS REQUIRED FOR ALL EQUIPMENT REQUIRING ACCESS ABOVE INACCESSIBLE CEILINGS, INCLUDING BUT NOT LIMITED TO: VAV BOXES, FANS, DAMPERS, SENSORS, ETC. MAINTAIN ACCESS TO ALL EXISTING DAMPERS, SENSORS, AND DUCTWORKS AND CONTROLLERS. FINAL LOCATION SHALL BE FIELD COORDINATED AND APPROVED BY BUILDING MANAGEMENT.
6. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION OF DUCTWORK.
7. COORDINATE ALL THERMOSTAT LOCATIONS WITH ARCHITECT
8. CONTRACTOR SHALL PROVIDE THERMOSTAT LOCATION SHOP DRAWINGS FOR ENGINEER AND ARCHITECT APPROVAL
9. ALL DUCTWORK OVER RAFFETIE CEILINGS AND METAL MESH CEILINGS SHALL BE CONSIDERED EXPOSED, AND COMPLY WITH NOTE 15 AND ACoustICAL NOTES.
10. COY-SENSORS TO BE CONNECTED TO EXISTING LANDLORD AIRCITY SYSTEM
11. EQUIPMENT AND DUCTWORK SHALL BE PROTECTED FROM THE TOP OF CRAN. SHOWN ON PLANS. SUBMIT FINAL BALANCE REPORT AND PERFORM SUBSEQUENT COMFORT BALANCE AT CLOSE OUT OF PROJECT. IN ADDITION, CONTRACTOR TO PERFORM ADDITIONAL COMFORT BALANCE DURING NEXT SEASON. I.E. IF PROJECT IS COMPLETED IN WINTER, CONTRACTOR TO RETURN TO SITE AND PERFORM SUBSEQUENT COMFORT BALANCE IN SUMMER.
12. ALL EQUIPMENT SHOWN ON THIS PLAN TO BE LABELED WITH ITS ASSOCIATED UNIT TAG. PROVIDE PHYSICAL LABELS ON EACH PIECE OF EQUIPMENT THAT ARE VISIBLE VIA THE ACCESS AREA.
13. UNDERFLOOR AIR PLenum SHALL BE PRESSURE TESTED TO ENSURE LEAKAGE RATES OF LESS THAN 2% ACROSS THE ENTIRE FLOOR.
14. ALL FILTERS ON ALL UNITS, NEW AND EXISTING, TO BE REPLACED POST CONSTRUCTION. ALL EQUIPMENT TO BE CLEANED POST CONSTRUCTION.
15. ALL DUCTWORKS TO BE PROTECTED DURING REMEDIATION AND CONSTRUCTION.

ACQUISITION NOTES:

1. PROVIDE 1" (2") INTERNAL FIBERGLASS DUCT LINER AS FOLLOWS (TOTAL R VALUE OF 6 OR GREATER): -15 FEET DOWNSTREAM OF PPE BOXES-15 FEET UPSTREAM AND DOWNSTREAM OF EXHAUST FANS
2. ALL NEW AND EXISTING OUTDOOR ABOVE CEILING(S) NOT INTERNALLY LINED SHALL BE INSULATED WITH FIBROUS GLASS BLANKET, FOL SCORING RADIANT FACING: 1 1/2-INCH THICK INSULATION (TOTAL R VALUE OF 6 OR GREATER)
3. PROVIDE CONSTRUCTION DETAILS AS INDICATED BELOW: COORDINATE ADDITIONAL REQUIREMENTS WITH RDA BOOK SPECIFICATIONS: EXHAUST FANS AND PPE'S: COMBINATION SPRING AND NEOPRENE HANGER W/1.0" STATIC DEFLECTION (MASON INDUSTRIES TYPE 300)
4. REFER TO M01 DRAWING FOR SHEETMETAL GASK AND CONSTRUCTION SPECIFICATIONS

THESE DOCUMENTS CONTAIN POTENTIALLY SENSITIVE INFORMATION AND SHALL BE USED FOR THEIR INTENDED PURPOSE. ONCE THE INTENDED PURPOSE HAS CEASED, THE DOCUMENTS SHALL BE DESTROYED IN A SECURE MANNER.

IT IS A VIOLATION OF STATE EDUCATION LAW FOR ANY PERSON, UNLESS UNDER THE DIRECTION OF A LICENSED ARCHITECT/ENGINEER TO ALTER THIS DOCUMENT IN ANYWAY. ALTERATION MUST HAVE THE SEAL AFFIXED ALONG WITH A DESCRIPTION OF THE ALTERATION, DATE AND ARCHITECTS/ENGINEER'S SIGNATURE.

NYC DOB EMPLOYEE STAMP/SIGNATURE

NYC DOB BSCA

AECOM

PROJECT

BOA OBP - AMER
NA

CLIENT

XXXXXX

ARCHITECT

AECOM

125 BROAD STREET, 15TH FLOOR
NEW YORK, NY 10004
TEL: +1(212) 377-8400
ARCHITECT OF RECORD :
JEFFREY BURKE
PROJECT MANAGER:
JASON FOSTER

MEP ENGINEER

RDA

MEP ENGINEERING | COMMISSIONING | MISSION CRITICAL
IT/MULTIMEDIA/SECURITY | ENERGY & SUSTAINABILITY | ACOUSTICS
19 WEST 44TH STREET NEW YORK, NY 10036 | 212-764-7272
PHOTO: ENG DPG/THP PHOTO: MGR KC

STRUCTURAL ENGINEER

UPDATE

????
????

AV / IT CONSULTANT

UPDATE

????
????

ISSUE/REVISION

5	09/13/24	ISSUED FOR BID	4
4	08/23/24	ISSUED FOR 75% CD	3
3	08/02/24	ISSUED FOR 50% CD	2
1	07/12/24	ISSUED FOR 25% CD	1

ISSUE NO.	DATE	DESCRIPTION	
-----------	------	-------------	---------------------------------------------------------------------------------------

KEY PLAN

PROJECT NAME

BOA OBP - AMER

PROJECT NUMBER

1520069

SHEET TITLE

49TH FLOOR MECHANICAL PLAN

DRAWN BY: Author

CHECKED BY: Checker

SEAL & SIGNATURE

SHEET NUMBER

M-449.00

NOB NOV-

DRAWING NUMBER