

GENERAL NEW NOTES:

- 1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
2. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT 'AS-BUILT' CONDITIONS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. COORDINATE NEW WORK AND DEMOLITION WITH OTHER DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
3. COORDINATE THE INSTALLATION OF THE MECHANICAL SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. ANY MODIFICATIONS REQUIRED DUE TO LACK OF COORDINATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.
4. WHERE SHUTDOWN OF EXISTING SYSTEMS IS REQUIRED DURING NEW SERVICE, COORDINATE SHUTDOWN TIME AND DURATION WITH THE OWNER TO MINIMIZE DOWNTIME. NOTIFY OWNER SEVEN (7) DAYS PRIOR TO INTERRUPTION OF SERVICE.
5. DURING INSTALLATION OF NEW WORK, AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN. REPAIR DAMAGE CAUSED DURING CONSTRUCTION AT NO EXTRA COST TO THE OWNER.
6. PROVIDE TEMPORARY BARRIERS TO CONTAIN DUST AND DEBRIS RESULTING FROM THE PERFORMANCE OF THE WORK TO THE AREA WHERE WORK IS BEING PERFORMED.
7. ALL MECHANICAL EQUIPMENT SHOWN ON THE MECHANICAL PLANS SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED.
8. NEW MECHANICAL EQUIPMENT, DUCTWORK AND PIPING ARE SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE DUCTWORK AND PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.
9. REFER TO ARCHITECTURAL DRAWINGS FOR RELATED CONSTRUCTION DETAILS AS APPLICABLE TO THE HVAC SYSTEM. VERIFY CHASES AND PENETRATIONS SHOWN ON ARCHITECTURAL DRAWINGS THAT ARE INTENDED FOR DUCTWORK AND PIPING MEET REQUIREMENTS.
10. COORDINATE LOCATION OF ROOF MOUNTED HVAC EQUIPMENT AND ROOF PENETRATIONS WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
11. INDOOR AIR QUALITY MEASURES: PROTECT INSIDE OF (INSTALLED AND DELIVERED) DUCTWORK AND HVAC UNITS FROM EXPOSURE TO DUST, DIRT, PAINT AND MOISTURE. REPLACE INSULATION THAT HAS GOTTEN WET AT ANY TIME DURING CONSTRUCTION. DRYING THE INSULATION IS NOT ACCEPTABLE. SEAL ANY TEARS OR JOINTS OF INTERNAL FIBERGLASS INSULATION. REMOVE DEBRIS FROM CEILING/RETURN AIR PLENUM INCLUDING DUST AND MALFUNCTIONING COMPONENTS. DUCT CLEANING COMPANY SHALL VACUUM CLEAN ANY DUCTWORK CONNECTED TO HVAC UNITS THAT WERE OPERATED DURING THE CONSTRUCTION PERIOD AFTER NEW FILTERS ARE INSTALLED AND PRIOR TO TURNING SYSTEM OVER TO THE OWNER. THE INTERNAL SURFACES AND ASSOCIATED COILS OF ANY HVAC UNITS THAT WERE OPERATED SHALL ALSO BE CLEANED.
12. INSTALL DUCTWORK AND PIPING PARALLEL TO BUILDING COLUMN LINES UNLESS OTHERWISE SHOWN OR NOTED.
13. OVERHEAD HANGERS AND SUPPORTS FOR EQUIPMENT, DUCTWORK AND PIPING SHALL BE FASTENED TO BUILDING JOISTS OR BEAMS. DO NOT ATTACH HANGERS AND SUPPORTS TO THE ABOVE FLOOR SLAB OR ROOF EXCEPT WHERE CONCRETE INSERTS INTO CONCRETE SLABS ARE ALLOWED BY THE ARCHITECTURAL DRAWINGS.
14. COORDINATE LOCATION OF EQUIPMENT SUPPORTS WITH LOCATION OF EQUIPMENT ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT AND/OR FILTER REPLACEMENT.
15. SEAL PENETRATIONS THROUGH THE BUILDING COMPONENTS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
16. COORDINATE THE EXACT MOUNTING SIZE AND FRAME TYPE OF DIFFUSERS, REGISTERS AND GRILLES WITH THE SUPPLIER TO MEET THE CEILING, WALL AND DUCT INSTALLATION REQUIREMENTS.
17. ADJUST LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES AS REQUIRED TO ACCOMMODATE FINAL CEILING GRID AND LIGHTING LOCATIONS.
18. LOCATE AND SET THERMOSTATS AND HUMIDISTATS AT LOCATIONS SHOWN ON PLANS. VERIFY EXACT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. PROVIDE INSULATED BACKING FOR THERMOSTATS MOUNTED ON EXTERIOR BUILDING WALLS. INSTALL WIRING IN CONDUIT PROVIDED BY DIVISION 16. AT A MINIMUM, PROVIDE CONDUIT IN THE WALL FROM THE JUNCTION BOX TO 6" ABOVE THE CEILING.
19. COORDINATE THE LOCATION AND ELEVATION OF WALL MOUNTED DEVICES WITH PRESENTATION BOARDS, DISPLAY CABINETS, SHELVES OR OTHER COMPONENTS SHOWN ON THE ARCHITECTURAL DRAWINGS THAT ARE TO BE INSTALLED UNDER OTHER DIVISIONS. CONTRACTOR WILL NOT BE REIMBURSED FOR RELOCATION OF WALL MOUNTED DEVICES CAUSED BY A LACK OF COORDINATION.
20. PROVIDE A PREFABRICATED AS DEGREE, HIGH EFFICIENCY, RECTANGULAR/ROUND BRANCH DUCT TAKEOFF FITTING WITH MANUAL BALANCING DAMPER AND LOCKING QUADRANT FOR BRANCH DUCT CONNECTIONS AND TAKE-OFFS TO INDIVIDUAL DIFFUSERS, REGISTERS AND GRILLES.
21. BRANCH DUCTWORK TO AIR OUTLETS SHALL BE SAME SIZE AS OUTLET NECK SIZE UNLESS OTHERWISE NOTED.
22. REFER TO SPECIFICATIONS FOR DUCTWORK INSULATION REQUIREMENTS. DUCT SIZES ON MECHANICAL PLANS INDICATE CLEAR INSIDE AIRFLOW DIMENSIONS, INCREASE SHEET METAL SIZES ACCORDINGLY TO ACCOUNT FOR THICKNESS OF DUCT LINER.
23. FLEXIBLE DUCTWORK SHALL NOT EXCEED 5'-0" IN LENGTH AND SHALL BE INSTALLED AND SUPPORTED TO AVOID SHARP BENDS AND SAGGING. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
24. PROVIDE A NEW SET OF MERV 8 AIR FILTERS IN UNITS AT STARTUP. REPLACE FILTERS WITH NEW MERV 8 FILTERS PRIOR TO TESTING, ADJUSTING, BALANCING, AND BEFORE TURNING SYSTEM(S) OVER TO OWNER.

GENERAL DEMOLITION NOTES:

- 1. COORDINATE ALL DEMOLITION WITH WHAT IS SHOWN ON ARCHITECTURAL PLANS. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, ENGINEER OR OWNER, AS DEFINED IN BID DOCUMENTS, OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
3. OWNER RETAINS RIGHTS OF SALVAGE FOR EQUIPMENT AND FIXTURES TO BE REMOVED. COORDINATE WITH OWNER THE EQUIPMENT AND FIXTURES TO BE SALVAGED AND THE LOCATION FOR STORAGE. AVOID DAMAGE TO SALVAGED EQUIPMENT, FIXTURES AND DEVICES DURING DEMOLITION WORK AND DURING TRANSPORT TO OWNER'S DESIGNATED STORAGE LOCATION.
4. REMOVE ITEMS SHOWN HEAVY-LINED DASHED, CROSSHATCHED, AND/OR NOTED TO BE REMOVED.
5. AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN FOR NEW INSTALLATION. REPAIR DAMAGE CAUSED DURING WORK AT NO EXTRA COST TO THE OWNER.
6. SEAL PENETRATIONS THROUGH FLOORS, WALLS, CEILINGS AND ROOFS WHERE MECHANICAL COMPONENTS ARE REMOVED AND WHERE THE EXISTING PENETRATION IS NOT USED FOR THE NEW INSTALLATION. REPAIR DAMAGED SURFACES TO MATCH ADJACENT AREAS OR AS INDICATED ON THE ARCHITECTURAL DRAWINGS.
7. REMOVE HANGERS AND SUPPORTS WHERE DUCTWORK, PIPING AND/OR EQUIPMENT ARE REMOVED AND THE EXISTING HANGERS AND SUPPORTS ARE NOT USED FOR THE NEW INSTALLATION.
8. INSTALL PERMANENT CAPS WHERE DUCTWORK AND PIPING IS REMOVED AND THE EXISTING TAPS ARE NOT USED FOR THE NEW INSTALLATION. WHERE DUCTWORK AND PIPING ARE REMOVED AND THE EXISTING TAPS WILL BE USED FOR THE NEW INSTALLATION, INSTALL TEMPORARY CAPS TO PROTECT THE INTERIOR SURFACES UNTIL NEW DUCTWORK AND PIPING ARE INSTALLED.
9. INSPECT EXISTING EQUIPMENT TO REMAIN TO VERIFY THAT EQUIPMENT IS OPERATING PROPERLY. NOTIFY OWNER OF DAMAGED AND/OR MALFUNCTIONING COMPONENTS.
10. WHERE SHUTDOWN OF EXISTING SYSTEMS IS REQUIRED DURING DEMOLITION, COORDINATE SHUTDOWN TIME AND DURATION WITH OWNER TO MINIMIZE DOWNTIME. NOTIFY OWNER SEVEN (7) DAYS PRIOR TO INTERRUPTION OF SERVICE.
11. CONTRACTOR SHALL CEASE WORK AND IMMEDIATELY NOTIFY THE OWNER SHOULD ANY HAZARDOUS MATERIALS BE ENCOUNTERED DURING THE PERFORMANCE OF THE WORK.
12. REMOVAL, RECOVERY, RECYCLING, AND DISPOSAL OF REFRIGERANT, CONTAINED IN ANY EQUIPMENT TO BE REMOVED, SHALL BE PERFORMED IN STRICT ACCORDANCE WITH CURRENT EPA GUIDELINES.

THIS DRAWING IS PROVIDED FOR REFERENCE ONLY TO IDENTIFY EXISTING EQUIPMENT AND SHOW GENERAL EXISTING CONDITIONS.

PROVIDE CURB ADAPTERS TO EXISTING CURBS WHERE NECESSARY.

UNIT REPLACEMENT SCOPE:
TWO CARRIER 15-TON ROOFTOP UNITS INSTALLED IN 2017. REPLACE LIKE FOR LIKE AND UPDATE O/A CFM PER SCHEDULE. INSTALL WITH CURB ADAPTER, NEW DISCONNECT SWITCH, ELECTRICAL BREAKER, AND WIRING.
ONE CARRIER 7.5-TON ROOFTOP UNIT INSTALLED IN 2017. REPLACE WITH LIKE FOR LIKE. INSTALL WITH NEW DISCONNECT SWITCH, ELECTRICAL BREAKER, AND WIRING.
ONE TRANE 10-TON ROOFTOP UNIT INSTALLED IN 2017. REPLACE WITH LIKE FOR LIKE. INSTALL WITH NEW DISCONNECT SWITCH, ELECTRICAL BREAKER, AND WIRING.
ONE TRANE 15-TON ROOFTOP UNIT INSTALLED IN 2017. REPLACE WITH LIKE FOR LIKE. INSTALL WITH NEW DISCONNECT SWITCH, ELECTRICAL BREAKER, AND WIRING.
TWO TRANE 12.5-TON ROOFTOP UNITS INSTALLED IN 2017. REPLACE WITH LIKE FOR LIKE. INSTALL WITH NEW CURB ADAPTER, DISCONNECT SWITCH, ELECTRICAL BREAKER, AND WIRING.
ONE TRANE 4-TON ROOFTOP UNIT INSTALLED IN 2017. REPLACE WITH 5-TON UNIT, INSTALL WITH NEW CURB ADAPTER, DISCONNECT SWITCH, ELECTRICAL BREAKER, AND WIRING.

SUPPLY DUCTWORK AND RETURN PLENUM ARE EXISTING TO REMAIN. CONNECT NEW UNITS INTO EXISTING DUCTWORK.
RETAIN EXISTING CONTROL WIRING FROM OLD UNIT AND RECONNECT AS NECESSARY TO NEW UNIT. RETAIN EXISTING MAINTENANCE RECEPTACLE CIRCUIT AND RECONNECT AS NECESSARY TO NEW UNIT MAINTENANCE RECEPTACLE.

RTU-1, 5: PROVIDE NEW 60A, 3-POLE CIRCUIT BREAKER WITH AIC RATING TO MATCH EXISTING PANELBOARD AIC RATING. PROVIDE (3) #4 AND (1) #10 GROUND, 1" CONDUIT. EXISTING CONDUIT MAY BE REUSED IF SIZED AS SPECIFIED. REUSE EXISTING FUSED DISCONNECT AND PROVIDE NEW 60A FUSES.

RTU-2, 4: REUSE EXISTING CONDUIT AND CONDUCTORS. REUSE EXISTING FUSED DISCONNECT AND PROVIDE NEW 70A FUSES.

RTU-3: PROVIDE NEW 50A, 3-POLE CIRCUIT BREAKER WITH AIC RATING TO MATCH EXISTING PANELBOARD AIC RATING. PROVIDE (3) #6 AND (1) #10 GROUND, 3/4" CONDUIT. EXISTING CONDUIT MAY BE REUSED IF SIZED AS SPECIFIED.

RTU-6: PROVIDE NEW 70A, 3-POLE CIRCUIT BREAKER WITH AIC RATING TO MATCH EXISTING PANELBOARD AIC RATING. PROVIDE (3) #4 AND (1) #8 GROUND, 1" CONDUIT. EXISTING CONDUIT MAY BE REUSED IF SIZED AS SPECIFIED. PROVIDE NEW 100A, 3-POLE 70A NEMA 3R FUSED DISCONNECT.

RTU-7: PROVIDE NEW 35A, 3-POLE CIRCUIT BREAKER WITH AIC RATING TO MATCH EXISTING PANELBOARD AIC RATING. PROVIDE (3) #8 AND (1) #10 GROUND, 3/4" CONDUIT. EXISTING CONDUIT MAY BE REUSED IF SIZED AS SPECIFIED. PROVIDE NEW 60A, 3-POLE 35A NEMA 3R FUSED DISCONNECT.

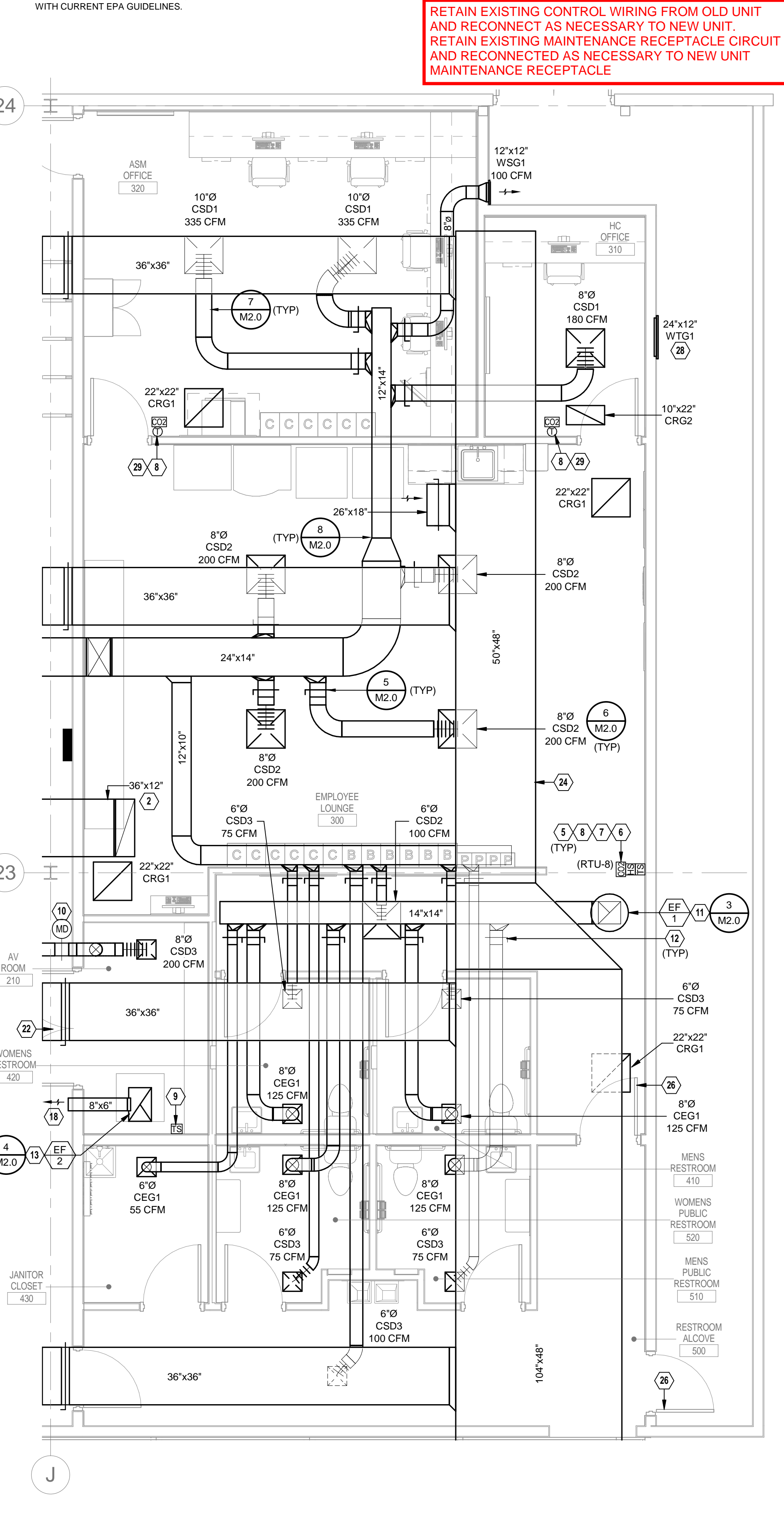
RTU-8: REUSE EXISTING CONDUIT AND CONDUCTORS. PROVIDE NEW 30A, 3-POLE 30A NEMA 3R FUSED DISCONNECT.

FABRIC DUCT GENERAL NOTES:
CONTRACTOR SHALL PROVIDE FABRIC DUCT THROUGHOUT THE SPACE AS SHOWN ON PLAN. (FABRIC DUCT WILL NOT REPLACE RECTANGULAR DUCT DROPS OR EXHAUST DUCTS). BASIS OF DESIGN SHALL BE "PRIHODA RECYCLED" 100% POST-CONSUMER CONTENT PERMEABLE FABRIC WITH "PERFORATIONS" (AIR OPENINGS) WITH FABRIC DAMPERS AT OPENINGS, AND ONE ROW, GALVANIZED CABLE. PROVIDE FULL 360° INTERNAL RING SUPPORT SYSTEM (40" SPACING BETWEEN RINGS). INCLUDE ALL COMPONENTS AND ACCESSORIES REQUIRED TO MAKE A COMPLETE SYSTEM AS RECOMMENDED BY PRIHODA DURING BID PHASE, INCLUDING HANGING STRAPS AND CLIPS, END CAPS, CONNECTIONS TO METAL DUCTS, ETC. PRIHODA FABRIC DUCT SHALL BE SIZED PER FACTORY RECOMMENDATIONS TO PROVIDE MINIMUM AIRFLOW IN BRANCH DUCTS AS SHOWN HERE. CONFIRM COLOR (PANTONE 420 - LIGHT GREY AS BASIS) WITH NIKE PRIOR TO ORDERING. CONTACT ANDREW SORENSEN (SALES@PRIHODA.NA.COM, PHONE 1-855-774-4632) FOR PRICING INFORMATION.

FABRIC DUCT DESIGN GUIDELINE:
DISTRIBUTE AIRFLOW EVENLY ALONG FABRIC DUCT IN THE DIRECTION OF FLOW. ORIENT AND SIZE FABRIC DUCT DIFFUSER OPENINGS TO PROVIDE A 50 FPM THROW VELOCITY HALF WAY TO THE NEAREST ADJACENT FABRIC DUCT OR TO THE NEAREST PARTITIONING WALL AS APPLICABLE. VENTS ON FABRIC DUCT SHALL BE LOCATED AT 22.5 DEGREES BELOW HORIZONTAL UNLESS NOTED OTHERWISE.

FABRIC DUCT COORDINATION NOTE:
DURING THE FIRST WEEK OF THE PROJECT, THE GENERAL CONTRACTOR'S SUPERINTENDENT, MECHANICAL SUB-CONTRACTOR, AND A REPRESENTATIVE FROM "PRIHODA" SHALL MEET AT THE PROJECT SITE FOR CONFIRMATION OF ALL FIELD DIMENSIONS AND POTENTIAL OBSTRUCTIONS. THIS EVENT MUST PRECEDE THE ORDERING OF ANY MATERIALS FROM "PRIHODA". CHANGE ORDERS AND EXPEDITING FEES WILL NOT BE APPROVED DUE TO LACK OF ON-SITE COLLABORATION AND/OR MEASUREMENT DURING SITE MEETING AT PROJECT COMMENCEMENT.

FABRIC DUCT INSTALLATION NOTE:
INSTALL FABRIC DUCT ABOVE LIGHTING AND ELECTRICAL BUS-STRUT. COORDINATE FABRIC DUCT INSTALLATION WITH ARCHITECTURAL AND ELECTRICAL DRAWINGS. GENERAL CONTRACTOR SHALL VERIFY FABRIC DUCT IS INSTALLED SUCH THAT IT DOES NOT CLASH WITH BUS-STRUT OR OTHER SUSPENDED FIXTURES WHEN DEFLATED.



ENLARGED BACK OF HOUSE HVAC PLAN 1/4" = 1'-0"

HVAC PLAN 3/32" = 1'-0"

MECHANICAL PLAN NOTES

- 1. PROVIDE NEW ROOFTOP UNIT AND CURB AS SCHEDULED. COORDINATE FINAL LOCATION WITH LANDLORD AND STRUCTURAL ENGINEER PRIOR TO PLACING UNIT. CONTRACTOR SHALL PROVIDE A NEW SET OF MERV 8 AIR FILTERS IN UNITS AT STARTUP. PRIOR TO TESTING, ADJUSTING, AND BALANCING, AND BEFORE TURNING SYSTEM OVER TO OWNER.
2. ROUTE SHEET METAL RETURN AIR DUCT AS WITH TERMINATION DIRECTED UPWARD UNLESS OTHERWISE SHOWN. RETURN AIR SHALL BE SIZED FULL SIZE OF RETURN AIR INLET. PROVIDE DUCT LINER IN RETURN AIR DUCTWORK FOR SOUND ATTENUATION. PROVIDE COVER INLET WITH 1/2"x1/2" BIRD SCREEN.
3. ROOFTOP UNIT IS EXISTING AND SHALL REMAIN. CONTRACTOR SHALL PROVIDE A NEW SET OF MERV 8 FILTERS AT COMPLETION OF CONSTRUCTION. RE-TEST, ADJUST, AND BALANCE. PROVIDE NEW MECHANICAL IDENTIFICATION AS OUTLINED IN SPECIFICATIONS.
4. PROVIDE SMOKE DETECTORS IN SUPPLY AND RETURN AIR DUCTS FOR WIRING BY DIVISION 16 CONTRACTOR. SMOKE DETECTORS SHALL SHUT-DOWN UNIT UPON ALARM.
5. THERMOSTATS AND SENSORS PROVIDED BY EMS VENDOR. INSTALLATION BY MECHANICAL CONTRACTOR. COORDINATE FINAL INSTALLED LOCATIONS WITH ARCHITECT AND ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION OF BACKING OR WIRING.
6. INSTALL TEMPERATURE SENSOR FOR CONTROL OF CORRESPONDING ROOFTOP UNIT AT 48" AFF MAXIMUM.
7. INSTALL HUMIDITY SENSOR FOR ENTHALPY CALCULATION AND DEHUMIDIFICATION CONTROL SEQUENCE. MOUNT DIRECTLY ABOVE EXHAUST FAN FILTERS. HUMIDITY SENSOR AND RELAY SHALL BE PROVIDED BY EMS VENDOR.
8. INSTALL CO2 SENSOR AT 64" AFF DIRECTLY ABOVE ADJACENT TEMPERATURE SENSOR/THERMOSTAT.
9. INSTALL ZONE SENSOR AND RELAY FOR CONTROL OF AV ROOM EXHAUST FAN FILTERS. HUMIDITY SENSOR AND RELAY SHALL BE PROVIDED BY EMS VENDOR.
10. PROVIDE MOTORIZED DAMPER IN LOCATION INDICATED. DAMPER SHALL CLOSE WHEN SUPPLY AIR TEMPERATURE IS ABOVE 65 DEGREES FAHRENHEIT. DAMPER SHALL BE PROVIDED BY MECHANICAL CONTRACTOR. ACTUATOR SHALL BE PROVIDED BY EMS CONTRACTOR.
11. ROUTE EXHAUST AIR DUCTWORK TO NEW ROOF MOUNTED EXHAUST FAN. COORDINATE EXACT ROUTING WITH STRUCTURE AND OTHER OBSTACLES. ADJUST ROUTING TO MATCH.
12. EXHAUST AIR DAMPERS SHALL BE ACCESSIBLE FROM BACK-OF-HOUSE LAY-IN CEILING. COORDINATE FINAL INSTALLED LOCATION SUCH THAT THE DAMPERS REMAIN ACCESSIBLE. EXHAUST FAN INTERLOCK PROVIDED BY EMS VENDOR. FAN SERVES TO PROVIDE TRANSFER AIR ONLY.
13. ARROWS INDICATE DIRECTION OF AIRFLOW. PROVIDE VENTS ON SIDE(S) OF FABRIC DUCT TO DIRECT AIRFLOW AS SHOWN. EXTENDED LIGHTEN HANGING CABLE TO WALL. GENERAL CONTRACTOR TO PROVIDE 2X WOOD BACKING. COORDINATE WITH FABRIC DUCT MANUFACTURER AND REFER TO THE SHELL DUCT MANUFACTURER FOR SUPPORTING END OF FABRIC DUCT. COORDINATE REQUIREMENTS WITH FABRIC DUCT MANUFACTURER.
14. CONNECT SHEET METAL DUCT TO FABRIC DUCT TO PROVIDE CONDITIONED AIR TO AV ROOM.
15. COVER DUCT OPENING WITH 1/2"x1/2" BIRD SCREEN.
16. CONNECT SHEET METAL DUCT TO FABRIC DUCT TO PROVIDE CONDITIONED AIR TO STORAGE ROOM.
17. CONNECT SHEET METAL DUCT TO FABRIC DUCT TO PROVIDE CONDITIONED AIR TO FITTING ROOMS.
18. PROVIDE ORIGINAL WALL FOR TRANSFER AIR. MOUNT AS HIGH AS POSSIBLE WITHIN STRUCTURE.
19. LOUVERED DOOR FOR RELIEF AIR BY GENERAL CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
20. LOCATION FOR SMOKE EXHAUST SYSTEM VARIABLE FREQUENCY DRIVES. SEE ELECTRICAL DRAWINGS FOR MORE DETAILS.
21. SEE SHEETS M5.0 AND FA2.0 FOR ADDITIONAL DETAILS REGARDING SMOKE CONTROL SYSTEM.
22. FIRE FIGHTER CONTROL PANEL FOR SMOKE CONTROL SYSTEM OPERATION. SEE FIRE ALARM DRAWINGS FOR MORE DETAILS.
23. LOUVERED DOOR FOR SMOKE CONTROL MAKE-UP AIR. MINIMUM SIZE IS 30"x30" REFER TO ARCHITECTURAL DRAWINGS FOR MORE INFORMATION.
24. TRANSFER GRILLE FOR SMOKE CONTROL MAKE-UP AIR. TOP OF GRILLE SHALL BE MOUNTED BELOW 12" OF SMOKE LAYER. COORDINATE WITH ARCHITECT.
25. GRILLE UTILIZED FOR SMOKE EXHAUST. MOUNT ON WALL AT 20'-0" AFF.
26. INSTALL THERMOSTAT FOR CONTROL OF VAV DIFFUSER IN CORRESPONDING ROOM. MOUNT AT 48" AFF MAXIMUM.

CHECK AND VERIFY ALL DIMENSIONS IN THE FIELD AND COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER TRADES. CONTRACTOR SHALL COORDINATE LOCATIONS OF AIR DEVICES WITH ARCHITECTURAL DRAWINGS. THE DUCTWORK LAYOUT INDICATED ON THE DRAWINGS IS SCHEMATIC AND SHOWS DESIGNED INTENT ONLY. PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK, THE MECHANICAL CONTRACTOR SHALL HAVE A QUALIFIED EXPERIENCED SKETCHER PREPARE AND SUBMIT SHEET METAL SHOP DRAWINGS. SHOP DRAWINGS SHALL TAKE INTO ACCOUNT ALL EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO, STRUCTURAL MEMBERS, CONDUITS AND PIPING TO REMAIN. SHOP DRAWINGS SHALL ALSO TAKE INTO ACCOUNT ALL NEW DESIGN CONDITIONS, INCLUDING BUT NOT LIMITED TO, STRUCTURAL MEMBERS, PIPING, CEILING, SOFFIT HEIGHTS, LIGHT FIXTURES, ETC.

SHOP DRAWINGS SHALL INDICATE ALL REVISIONS TO THE LAYOUT REQUIRED TO ACCOMMODATE THE EXISTING CONDITIONS AND/OR TO MAINTAIN THE CEILING HEIGHTS AND CLEARANCES REQUIRED. CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER OF ANY LOCATION WHERE THE DESIGN INTENT CANNOT BE MET PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK. REVISIONS TO DUCTWORK, EQUIPMENT, CONDUIT AND/OR PIPING REQUIRED BY CONTRACTOR'S FAILURE TO SUBMIT PROPERLY PREPARED SHOP DRAWINGS FOR COORDINATION SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR AT NO ADDITIONAL COST TO THE CLIENT AND/OR DELAY TO THE PROJECT SCHEDULE.

GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING TO ARCHITECT, ENGINEER, LANDLORD, AND BUILDING INSPECTOR A FINAL TEST AND BALANCE REPORT PER MECHANICAL SPECIFICATIONS. TEST AND BALANCE REPORT SHALL BE PROVIDED TO ARCHITECT, ENGINEER, AND LANDLORD PRIOR TO ENGINEER'S FINAL PUNCH AND FINAL BUILDING INSPECTION.

LANDLORD REQUIREMENTS:
LANDLORD APPROVED ROOFING CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL CUTS THROUGH THE EXISTING ROOF, MODIFYING EXISTING OPENINGS, AND/OR ALTERING CURB FLASHINGS AT GENERAL CONTRACTOR'S EXPENSE. COORDINATE WITH GENERAL CONTRACTOR.

TEMPERATURE CONTROLS:
COMFORT SYSTEMS USA TO PROVIDE SENSORS AND CONTROLS COMPONENTS AS INDICATED ON PLANS AND NECESSARY TO ACCOMPLISH THE INTENT OF THE DRAWINGS.

GENERAL CONTRACTOR SHALL INSTALL CARRIER FURNISHED TEMPORARY THERMOSTATS AND FEED THE WIRING DOWN INTO THE SPACE FOR START UP AND CONTROL OF RTU(S) UNTIL THE EMS SYSTEM IS OPERABLE. REFER TO M3.0 FOR CARRIER CONTACT INFORMATION.

NOTE:
EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS & SITE VISITS AND MAY NOT REFLECT EXACT 'AS-BUILT' CONDITIONS. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. CAREFULLY COORDINATE NEW WORK AND DEMOLITION WITH ALL OTHER DISCIPLINES AND EXISTING CONDITIONS.

NIKE FY25 HVAC REPLACEMENT

DOLPHIN MALL MIAMI, FL

HENDERSON ENGINEERS

ISSUE DATE: 11/06/2024

FOR REFERENCE ONLY

Project Owner:



Project Address:

NIKE FACTORY STORE 11401 12th ST NW - SUITE N-100 MIAMI, FL 33172

Fixture Package: GLOBAL 3.0

Revisions:

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PHILIP G. MILLER

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